CD117 / c-Kit Monoclonal Mouse Antibody (KIT/2673)



Product Description

CD117, also known as c-kit, is a member if the immunoglobin superfamily. It is a receptor tyrosine kinase that is expressed on hematopoietic progenitor cells. It binds to the c-kit ligand KITLG/SCF and has roles in cell survival and cell proliferation. Upon ligand binding, it activates a number of signalling pathways. It is found on a wide variety of tumor cells including follicular and papillary carcinoma of thyroid, adenocarcinomas from endometrium, lung, ovary, pancreas, and breast as well as malignant melanoma, endodermal sinus tumor, and small cell carcinoma. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the CF® Dye Brochure for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Stock status: Because Biotium offers a large number of antibody and conjugation options, primary antibody conjugates may be made to order. Typical lead times are up to one week for CF® dye and biotin conjugates, and up to 2-3 weeks for fluorescent protein and enzyme conjugates. Please email order@biotium.com to inquire about stock status and lead times before placing your order. Catalog number key for antibody number 2673, CD117 Monoclonal Mouse Antibody (KIT/2673)

| For flow cytometry Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis onormal skin. Shipping condition Storage Conditions Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formigates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/D.05% BSA/ | Product attributes | | | | |
|--|----------------------------|---|--|--|--|
| Host species Mouse | Antibody number | #2673 | | | |
| Host species Mouse Clonality Monoclonal Clone KIT/2673 Isotype IgG1, kappa Molecular weight 145 kDa Synonyms CD117; c-Kit; p145; Mast/stem Cell Growth Factor Receptor Human gene symbol KIT Entrez gene ID 3815 SwissProt P10721 Unigene 479754 Immunogen Recombinant full-length human KIT protein Antibody target cellular Plasma membrane Species reactivity Human Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/ml. for most applications, or 1 ug/million cells/100 ut for flow cytometry Positive control Gastrointestinal Stromal Tumor (GIST) or testicular germ cell fumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin. Shipping condition Storage Conditions For research use only (RUO) Antibody/conjugate formulation Antibody/conjugate formulation For research use only (RUO) Antibody/conjugate Conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purif | | c-Kit, CD117 | | | |
| Clone KIT/2673 Isotype IgG1, kappa Molecular weight 145 kDa Synonyms CD117; c-Kit; p145; Mast/stem Cell Growth Factor Receptor Human gene symbol KIT Entrez gene ID 3815 SwissProt P10721 Unigene 479754 Immunogen Recombinant full-length human KIT protein Antibody target cellular Plasma membrane Species reactivity Human Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 uL for flow cytometry Positive control Gastrointestinal Stromal Tumor (GIST) or testicular germ cell flumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin. Shipping condition Storage Conditions Storage Conditions For research use only (RUO) Antibody/conjugate formulation Antibody/conjugate formulation For research use only (RUO) Antibody/conjugate Conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purifie | Antibody type | Primary | | | |
| Isotype IgG1, kappa | Host species | Mouse | | | |
| Isotype IgG1, kappa | Clonality | Monoclonal | | | |
| Molecular weight | Clone | KIT/2673 | | | |
| Synonyms CD117; c-Kit; p145; Mast/stem Cell Growth Factor Receptor Human gene symbol KIT Entrez gene ID 3815 SwissProt P10721 Unigene 479754 Immunogen Recombinant full-length human KIT protein Antibody target cellular Plasma membrane Plasma membrane Human Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 ut for flow cytometry Positive control Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis onormal skin. Shipping condition Storage Conditions Storage Conditions Storage Conditions Storage Conditions For research use only (RUO) Antibody/conjugate formulation Antibody/conjugate formulation Monospecific Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Cancer, Signal transduction Breast cancer, Lung cancer, Melanoma Ovarian cancer, Pancreatic cancer, | Isotype | IgG1, kappa | | | |
| Growth Factor Receptor Human gene symbol Entrez gene ID 3815 SwissProt P10721 Unigene 479754 Immunogen Recombinant full-length human KIT protein Antibody target cellular Plasma membrane Plasma membrane Human Antibody application Rot coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection with secondary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 ut for flow cytometry Positive control Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis onormal skin. Shipping condition Storage Conditions Storage Conditions Storage Conditions Storage Conditions For research use only (RUO) Antibody/conjugate for melantion and proper structure in pBSA.05% BSA, Purified: 0.2 mg/mL. in PBS/0.05% BSA, Purified: 0.2 mg/mL. in | Molecular weight | 145 kDa | | | |
| Entrez gene ID SwissProt P10721 Unigene 479754 Immunogen Recombinant full-length human KIT protein Antibody target cellular Plasma membrane Species reactivity Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 ut for flow cytometry Positive control Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis onormal skin. Shipping condition Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formight. In PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% | Synonyms | | | | |
| SwissProt | Human gene symbol | KIT | | | |
| Unigene 479754 Immunogen Recombinant full-length human KIT protein Antibody target cellular Plasma membrane Plasma membrane Plasma membrane For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 ut for flow cytometry Positive control Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin. Shipping condition Storage Conditions Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation Antibody/conjugate conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HPP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide purified, BSA-free: 1 mg/mL | Entrez gene ID | 3815 | | | |
| Immunogen | SwissProt | P10721 | | | |
| Antibody target cellular Species reactivity Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 ut for flow cytometry Positive control Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis one normal skin. Shipping condition Storage Conditions Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation For in pas/0.05% azide, HPP conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HPP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide Purified, BSA-free: 1 mg/mL in PBS without azide Validated in protein Monospecific Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Tumor expression Breast cancer, Lung cancer, Melanoma Ovarian cancer, Pancreatic cancer, | Unigene | 479754 | | | |
| Antibody application For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 ut for flow cytometry Positive control | Immunogen | | | | |
| Antibody application notes For coating for ELISA, order Ab without BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 ut for flow cytometry Positive control Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis or normal skin. Shipping condition Storage Conditions Conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: | Antibody target cellular | Plasma membrane | | | |
| notes BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 ut for flow cytometry Positive control Gastrointestinal Stromal Tumor (GIST) or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis onormal skin. Shipping condition Storage Conditions Conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% B | Species reactivity | Human | | | |
| or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of normal skin. Shipping condition Room temperature Storage Conditions For research use only (RUO) Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/ | Antibody application notes | BSA, Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Optimal dilution and staining procedure for a specific application should be determined by user, Recommended starting concentrations for titration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 uL | | | |
| Storage Conditions Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% BSA/0.0 | Positive control | or testicular germ cell tumor. Melanocytes in the basal layer of the epidermis and mast cells in the dermis of | | | |
| conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C Regulatory status For research use only (RUO) Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% aziek Purified, BSA-free: 1 mg/mL in PBS Validated in protein Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Cancer, Signal transduction Breast cancer, Lung cancer, Melanoma Ovarian cancer, Pancreatic cancer, | Shipping condition | Room temperature | | | |
| Antibody/conjugate formulation Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.65% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purifies PSS, Without azide Validated in protein Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Cancer, Signal transduction Breast cancer, Lung cancer, Melanoma Ovarian cancer, Pancreatic cancer, | Storage Conditions | conjugates from light, Note: store | | | |
| formulation BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified PBS without azide Validated in protein Monospecific Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Cancer, Signal transduction Breast cancer, Lung cancer, Melanoma Ovarian cancer, Pancreatic cancer, | Regulatory status | For research use only (RUO) | | | |
| Shelf life Guaranteed for at least 24 months from date of receipt when stored as recommended Antibody research areas Cancer, Signal transduction Breast cancer, Lung cancer, Melanoma Ovarian cancer, Pancreatic cancer, | | BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS | | | |
| date of receipt when stored as recommended Antibody research areas Cancer, Signal transduction Tumor expression Breast cancer, Lung cancer, Melanoma Ovarian cancer, Pancreatic cancer, | Validated in protein | Monospecific | | | |
| Tumor expression Breast cancer, Lung cancer, Melanoma Ovarian cancer, Pancreatic cancer, | Shelf life | date of receipt when stored as | | | |
| Ovarian cancer, Pancreatic cancer, | Antibody research areas | Cancer, Signal transduction | | | |
| | Tumor expression | | | | |

Call us: 800-304-5357 Email: btinfo@biotium.com

Product attributes

| Antibody # prefix | Conjugation | Ex/Em (nm) | Laser line | Detection channel | Dye Features |
|-------------------|-------------|------------|------------|-----------------------------|------------------|
| BNC04 | CF®405S | 404/431 | 405 | DAPI (microscopy), AF405 | CF®405S Features |
| BNC88 | CF®488A | 490/515 | 488 | GFP, FITC | CF®488A Features |
| BNC68 | CF®568 | 562/583 | 532, 561 | RFP, TRITC | CF®568 Features |
| BNC94 | CF®594 | 593/614 | 561 | Texas Red® | CF®594 Features |
| BNC40 | CF®640R | 642/662 | 633-640 | Cy®5 | CF®640R Features |
| BNC47 | CF®647 | 650/665 | 633-640 | Cy®5 | CF®647 Features |
| BNCB | Biotin | N/A | N/A | N/A | |
| BNUB | Purified | N/A | N/A | N/A | |
| BNUM | Purified, | N/A | N/A | N/A | |

Alexa Fluor, Pacific Blue, Pacific Orange, and Texas Red are trademarks or registered trademarks of Thermo Fisher Scientific; Cy is a registered trademark of Cytiva; IRDye, LI-COR, LI-COR Bioscience.