

## CD30 / TNFRSF8 Monoclonal Mouse Antibody (Ber-H2)

## **Product Description**

This antibody recognizes a single chain glycoprotein of 105/120 kDa, identified as CD30/Ki-1. Its epitope is located between aa112-412. CD30 is synthesized as a 90 kDa precursor, which is processed in the Golgi complex into a membrane-bound phosphorylated mature 105/120 kDa glycoprotein. In Hodgkin's disease, CD30/Ki-1 antigen is expressed by mononuclear-Hodgkin and multinucleated Reed-Sternberg cells. It is also expressed by the tumor cells of a majority of anaplastic large cell lymphomas as well as by a varying proportion of activated T and B cells. This MAb distinguishes large cell lymphomas derived from activated lymphoid cells from histiocytic malignancies and lymphomas derived from resting and precursor lymphoid cells or from anaplastic carcinomas. About one third of the Ki-1 positive lymphomas lack the leukocyte common antigen (CD45).

## Product attributes

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

Antibody reactivity (target) Antibody reactivity (target) Antibody type Primary  Host species Mouse  Clonality Monoclonal  Clone Ber-H2  Isotype IgG1, kappa  Molecular weight 105-120 kDa  Synonyms CD30L receptor, Cytokine receptor CD30, Ki-1 antigen, Lymphocyte activation antigen CD30, Tumor necrosis factor receptor superfamily member 8 (TNFRSF8)  Human gene symbol TNFRSF8  Entrez gene ID 943  SwissProt P28908  Unigene 1314  Immunogen Co-cell line established from a patient with Hodgkin's disease of T-cell lineage  Antibody target cellular leasting.  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, 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 Hodgkin's lymphoma  Storage Conditions  Storage Conditions  For research use only (RUO)  Antibody/conjugate formulation  Antibody/conjugate formulation  For research use only (RUO)  Antibody/conjugate formulation  Antibody salve, Profect fluorescent conjugates in 1 mg/mL in PBS/0.05% BSA, Purified: 0.2 ug/mL in PBS/0.05% BSA, Pur	Product attributes	
(target) Antibody type         Primary           Host species         Mouse           Clone         Ber-H2           Isotype         IgG1, kappa           Molecular weight         105-120 kDa           Synonyms         CD30L receptor, Cytokine receptor CD30, KI-1 antigen, Lymphocyte activation antigen CD30, Tumor necrosis factor receptor superfamily member 8 (TNFRSF8)           Human gene symbol         TNFRSF8           Entrez gene ID         943           SwissProt         P28908           Unigene         1314           Immunogen         Co cell line established from a patient with Hodgkin's disease of T-cell lineage           Antibody target cellular Species reactivity         Plasma membrane           Human         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, Coplimal dilution and staining procedure for a specific polication should be determined by user, Recommended starting concentrations for thration are 1-2 ug/mL for most applications, or 1 ug/mllion cells/100 uL for flow cytometry           Positive control         Hodgkin's lymphoma           Shipping condition         Store at 2 to 8 °C, Protect fluorescent conjugates from light, Notes: store BSA-free antibodies at -10 to -35 °C           Regulatory status         For research use only (RUO)           Antibody/conjugates	Antibody number	#0772
Host species   Mouse		CD30, TNFRSF8
Clonality Monoclonal Clone Ber-H2 Isotype IgG1, kappa Molecular weight 105-120 kDa Synonyms CD30L receptor, Cytokine receptor CD30, Ki-1 antigen, Lymphocyte activation antigen CD30, Tumor necrosis factor receptor superfamily member 8 (TNFRSF8)  Human gene symbol TNFRSF8 Entrez gene ID 943 SwissProt P28908 Unigene 1314 Immunogen Coell line established from a patient with Hodgkin's disease of T-cell lineage Antibody target cellular Isosalization Species reactivity Human Antibody application notes  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 Itiration are 1-2 ug/mll for most applications, or 1 ug/mllilion cells/100 uL for flow cytometry  Positive control Hodgkin's lymphoma Shipping condition Storage Conditions Storage Conditions  Storage Conditions For research use only (RUO) Antibody/conjugate formulation  Antibody/conjugate formulation  For research use only (RUO)  Antibody/conjugates For research use only (RUO)  Antibody/conjugates: 0.1 mg/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05% BSA, P	Antibody type	Primary
South   Sout	Host species	Mouse
Isotype   IgG1, kappa	Clonality	Monoclonal
Molecular weight   105-120 kDa	Clone	Ber-H2
Synonyms  CD30L receptor, Cytokine receptor CD30, Ki-1 antigen, Lymphocyte activation antigen CD30, Tumor necrosis factor receptor superfamily member 8 (TNFRSF8)  Futez gene ID  SwissProt  P28908  Unigene  1314  Immunogen  Co cell line established from a patient with Hodgkin's disease of T-cell lineage  Antibody target cellular logical process of the second process o	Isotype	IgG1, kappa
CD30, Ki-1 antigen, Lymphocyte activation antigen CD30, Tumor necrosis factor receptor superfamily member 8 (TNFRSF8)  Entrez gene ID 943  SwissProt P28908  Unigene 1314  Immunogen Coell line established from a patient with Hodgkin's disease of T-cell lineage Antibody target cellular Inealization Species reactivity Human  Antibody application notes Plasma membrane Human  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 Itiration are 1-2 ug/mllitor most applications, or 1 ug/mllitor constant applications, or 1 ug/mllitor to most applications. Storage Conditions  Storage Conditions  Storage Conditions  Storage Conditions  For research use only (RUO)  Antibody/conjugate form light, Note: store BSA-free antibodies at -10 to -35 ° C  Regulatory status  For research use only (RUO)  Antibody/conjugate form light, Note: store BSA-free antibodies at -10 to -35 ° C  Regulatory status  For research use only (RUO)  Antibody/conjugate form light, Note: store BSA-free antibodies at -10 to -35 ° C  Regulatory status  For research use only (RUO)  Antibody/conjugate form light, Note: store BSA-free in ByM-free 1: ng/mL in PBS/0.05% BSA, Purified: 0.2 mg/mL in PBS/0.05%	Molecular weight	105-120 kDa
Entrez gene ID  SwissProt  P28908  Unigene  1314  Immunogen  Co cell line established from a patient with Hodgkin's disease of T-cell lineage  Antibody target cellular Iscalization 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 Itiration are 1-2 ug/million cells/100 uL for flow cytometry  Positive control  Hodgkin's lymphoma  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/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	Synonyms	CD30, Ki-1 antigen, Lymphocyte activation antigen CD30, Tumor necrosis factor receptor superfamily member 8
SwissProt  Unigene  Immunogen  Co cell line established from a patient with Hodgkin's disease of T-cell lineage  Antibody target cellular   Incalization   Species reactivity   Antibody application notes   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 litration are 1-2 ug/million cells/100 uL for flow cytometry  Positive control   Hodgkin's lymphoma  Storage Conditions   Storage Condit	Human gene symbol	TNFRSF8
Unigene 1314  Immunogen Co cell line established from a patient with Hodgkin's disease of T-cell lineage Antibody target cellular 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 litration are 1-2 ug/million cells/100 uL for flow cytometry  Positive control Hodgkin's lymphoma  Shipping condition Room temperature  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/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, Purified: 0.2 mg/mL in PBS/0.05% BSA/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide  Cell/tissue expression Lymphocytes  Leukemia/lymphoma	Entrez gene ID	943
Immunogen	SwissProt	P28908
with Hodgkin's disease of T-cell lineage  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 optimated 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 Hodgkin's lymphoma  Shipping condition  Storage Conditions  Storage Conditions  Storage Conditions  Storage Conditions  For research use only (RUO)  Antibody/conjugate formulation  For research use only (RUO)  Antibody/conjugate formulation  For plasma membrane  Storage Conditions  Storage Conditions  Storage Conditions  For research use only (RUO)  Antibody/conjugate formulation  For plasma membrane  Storage City optimals application and starting concentrations for ultration and starting concentrations for ultration and starting concentrations for ultration and starting concentrations for the storage and starting concentrations for ultration and starting concentration and starting	Unigene	1314
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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 litration are 1-2 ug/mL for most applications, or 1 ug/million cells/100 uL for flow cytometry		Plasma membrane
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 litration are 1-2 ug/mll for most applications, or 1 ug/mllilon cells/100 uL for flow cytometry    Positive control		Human
Shipping condition   Room temperature		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	Positive control	Hodgkin's lymphoma
conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C  Regulatory status  For research use only (RUO)  Antibody/conjugate formulation  SA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.1% BSA/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% azide, Purified, BSA-free: 1 mg/mL in PBS without azide  Shelf life  Guaranteed for at least 24 months from date of receipt when stored as recommended  Cell/tissue expression  Lymphocytes  Tumor expression  Leukemia/lymphoma	Shipping condition	Room temperature
Conjugates: 0.1 mg/mL in PBS/0.1% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% azide, HRP conjugates: 0.1 mg/mL in PBS/0.05% BSA/0.05% BSA/0.05	Storage Conditions	conjugates from light, Note: store
tormulation  BSÁ/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% azide, Purified, BSA-free: 1 mg/mL in PBS without azide  Shelf life  Guaranteed for at least 24 months from date of receipt when stored as recommended  Cell/tissue expression  Lymphocytes  Leukemia/lymphoma	Regulatory status	For research use only (RUO)
date of receipt when stored as recommended  Cell/tissue expression		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
Tumor expression Leukemia/lymphoma	Shelf life	date of receipt when stored as
	Cell/tissue expression	Lymphocytes
Antibody research areas Immunology	Tumor expression	Leukemia/lymphoma
	Antibody research areas	Immunology

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