CD43 Monoclonal Mouse Antibody (DF-T1)



Call us: 800-304-5357

Product attributes

Shipping condition

Storage Conditions

Regulatory status

Antibody/conjugate formulation

Tumor expression

Antibody research areas Immunology

Cell/tissue expression Lymphocyte

Shelf life

Product Description

This antibody recognizes a cell surface glycoprotein of 95/115/135 kDa (depending upon the extent of glycosylation), identified as CD43 [Workshop IV]. Epitope of MAb Bra7G is clearly different from that of MAb DF-T1, called b as opposed to a for DF-T1. 70-90% of T-cell lymphomas and from 22-37% of B-cell lymphomas express CD43. No reactivity has been observed with reactive B-cells. So a B-lineage population that co-expresses CD43 is highly likely to be a malignant lymphoma, especially a low-grade lymphoma, rather than a reactive B-cell population. When CD43 antibody is used in combination with anti-CD20, effective immunophenotyping of the lymphomas in formalin-fixed tissues can be obtained. Co-staining of a lymphoid infiltrate with anti-CD20 and anti-CD43 argues against a reactive process and favors a diagnosis of lymphoma. 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 0027, Anti-CD43 (DF-T1)**

Antibody reactivity (target) Antibody type Host species Mouse Clonality Monoclonal Clone JP-T1 Isotype IgG1, kappa Molecular weight 95, 115, or 135 kDa Synonyms Galactoglycoprotein, GALGP, GPL115, Leukocyte sialoglycoprotein, Leukosialin, LSN, Sialophorin, SPN Human gene symbol SPN Entrez gene ID 6693 SwissProt P16150 Unigene 632188 Immunogen Myeloblastic KG1 cells Antibody target cellular Isotalization Verified antibody applications Species reactivity Human Antibody application notes Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody, Immunofluorescence: 1-2 ug/mL, Immunohistogy formalin-fixed 0.5-1 ug/mL, Staining of formalin-fixed dissue requires bolling tissue sections in 10 ml citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minute Flow Cytometry 0.5-1 ug/mlL, Staining of formalin-fixed dissue requires bolling tissue sections in 10 ml citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minute Flow Cytometry 0.5-1 ug/mlL capplication should be determined by user					
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Store at 2 to 8 °C, Protect fluorescent conjugates from light, Note: store BSA-free antibodies at -10 to -35 °C

Guaranteed for at least 24 months from date of receipt when stored as

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/0.05% azide, Purified, BSA-free: 1 mg/mL in PBS without azide,

For research use only (RUO)

recommended

Lymphocytes
Leukemia/lymphoma

Email: btinfo@biotium.com

Antibody # prefix BNC04	Conjugation CF®405S	Ex/Em (nm) 404/431	Laser line 405	Detection channel DAPI (microscopy), AF405	Dye Features 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	

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