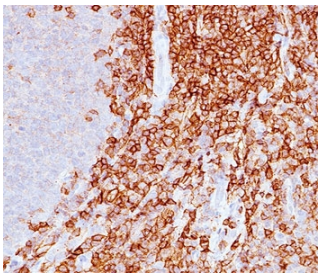
CD43 Antibody [clone DF-T1] (V2258)

Catalog No.	Formulation	Size
V2258-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2258-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2258SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2258IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

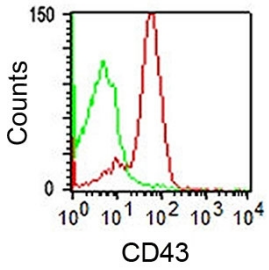
Citations (7)

Bulk quote request

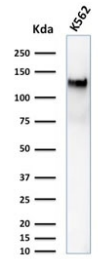
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	DF-T1
Purity	Protein G affinity chromatography
UniProt	P16150
Gene ID	6693
Localization	Cell surface
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (1) (2)
Limitations	This **CD43 antibody** is available for research use only.



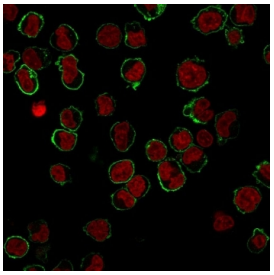
IHC staining of FFPE human spleen with CD43 antibody (clone DF-T1).



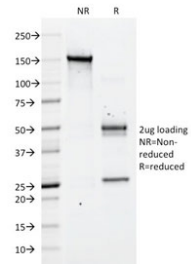
FACS staining of human lymphocytes using CD43 antibody (red) and isotype control.



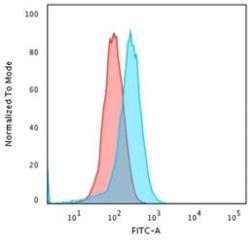
Western blot testing of human K562 cell lysate with CD43 antibody (clone DF-T1). Predicted molecular weight 45-135 kDa depending on glycosylation level.



Immunofluorescence staining of human K562 cells with CD43 antibody (clone DF-T1, green) and NucSpot (red).



SDS-PAGE analysis of purified, BSA-free CD43 antibody (clone DF-T1) as confirmation of integrity and purity.



Flow cytometry staining of PFA-fixed human K562 cells with CD43 antibody; Red=isotype control, Blue= CD43 antibody.

Description

This antibody recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43 [Workshop IV]. 70-90% of T-cell lymphomas and 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 CD20 antibody, effective immunophenotyping of the lymphomas in formalin-fixed tissues can be obtained. Co-staining of a lymphoid infiltrate with CD20 and CD42 antibody argues against a reactive process and favors a diagnosis of lymphoma.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Myeloblastic KG1 cells were used as the immunogen.

Storage

Store the CD43 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Galactoglycoprotein, GALGP, GPL115, Leukocyte sialoglycoprotein, Leukosialin, LSN, Sialophorin, SPN, CD43 antibody

References (1)

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