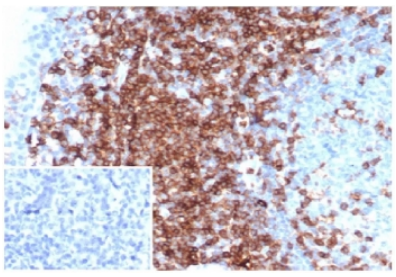
CD43 Antibody [clone MT-1] (V5494)

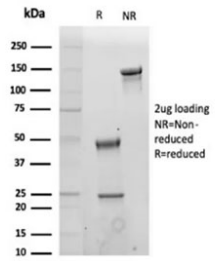
Catalog No.	Formulation	Size
V5494-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5494-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5494SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	MT-1
Purity	Protein A/G affinity
UniProt	P16150
Localization	Cell membrane
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This CD43 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with CD43 antibody (clone MT-1). Inset: PBS instead of primary antibody, secondary negative control. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free CD43 antibody (clone MT-1) as confirmation of integrity and purity.

Description

It 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 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.

Application Notes

Optimal dilution of the CD43 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human SPN protein was used as the immunogen for the CD43 antibody.

Storage

Aliquot the CD43 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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