

Datasheet for ABIN6940638
anti-CD43 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	CD43 (SPN)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD43 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Staining Methods (StM)

Product Details

Immunogen:	Immature pluripotent human leukemia K562 cells
Clone:	Bra7G
Isotype:	IgM kappa
Specificity:	It recognizes a cell surface glycoprotein of 95/115/135 kDa (depending upon the extent of glycosylation), identified as CD43 (Workshop V). 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

Product Details

lymphoma.

Target Details

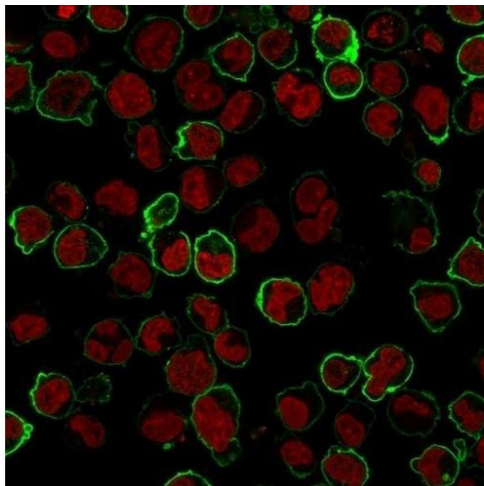
Target:	CD43 (SPN)
Alternative Name:	SPN (SPN Products)
Molecular Weight:	95, 115, or 135kDa
Gene ID:	6693
UniProt:	P16150
Pathways:	Regulation of Leukocyte Mediated Immunity

Application Details

Application Notes:	Positive Control: K562 cells, Paracortex in a tonsil or a reactive lymph node. Known Application: Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (1-2 µg/mL), ,Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT),(For staining of formalin-fixed tissues, digest sections with trypsin at 1 mg/mL PBS, 15 min at room temp),Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

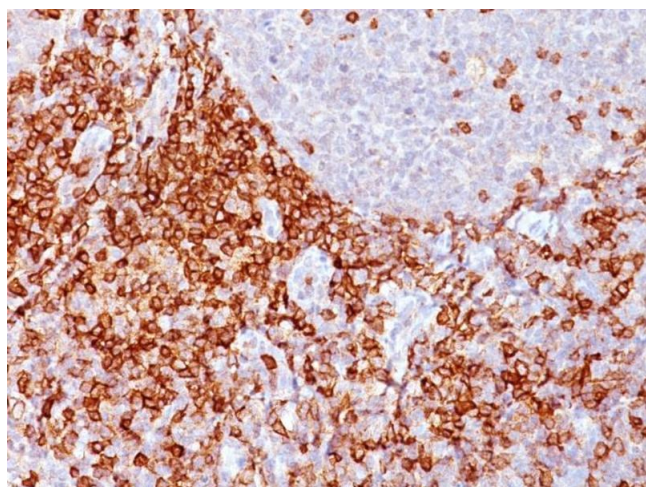
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



Immunofluorescence

Image 1. Immunofluorescence Analysis of K562 cells labeling CD43 with CD43 Monoclonal Antibody (Bra7G) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is NucSpot®.



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Spleen stained with CD43 Mouse Monoclonal Antibody (Bra7G).