

CD43 clone SPN/3388

Mouse Monoclonal Antibody

Instructions for Use

Specification:

It recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43. 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 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.

Availability:

Catalog No.	Contents	Volume
ILM3388-C01	CD43	0.1 ml concentrate
ILM3388-C05	CD43	0,5 ml concentrate
ILM3388-C1	CD43	1.0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human

Clone: SPN/3388

Human Entrez Gene ID: 6693

Human SwissProt: P16150

Human Unigene: 632188

Species of origin: Mouse

Isotype: IgG1, κ

Control Tissue: Human mantle cell lymphoma tissue

Staining: Cell surface

Immunogen: Recombinant full-length human SPN protein

Presentation: Purified antibody from bioreactor concentrate by protein A/G. Prepared in 10mM PBS with 0.05% BSA and 0.05% Azide.

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution up to 1:50-1:100)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:50 to 1:100).
- Western blot (dilution 1:100 – 1:200)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a Goat anti-Mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

- 1) Baeckstrom D., et al. 1995. Expression of the leukocyte-associated sialo glycoprotein CD43 by a colon carcinoma cell line. J. Biol. Chem. 270:13688-13692.