

12-1113: Anti-CD43 (T-Cell Marker) Recombinant Mouse Monoclonal Antibody (Clone:rSPN/839)

Clonality :	Monoclonal
Clone Name :	rSPN/839
Application :	FACS,WB,IF,IHC
Reactivity :	Human
Gene :	SPN
Gene ID :	6693
Uniprot ID :	P16150
Format :	Purified
Alternative Name :	Galactoglycoprotein, GALGP, GPL115, Leukocyte sialoglycoprotein, Leukosialin, LSN, Sialophorin, SPN
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Human full-length recombinant CD43 protein

Description

It recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43 [Workshop IV]. Epitope of MAb Bra7G is clearly different from that of MAb rSPN/839, called "b" as opposed to "a" for rSPN/839. 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.

Product Info

Amount :	20 µg / 100 µg
Purification :	Protein A/G
Content :	200µg/ml of recombinant MAb purified by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	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.

Application Note

Flow Cytometry (1-2 \times 10⁶µg/million cells);Western Blot (1-2 \times 10⁶µg/ml);Immunofluorescence (1-2 \times 10⁶µg/ml);Immunohistochemistry (Formalin-fixed) (1-2 \times 10⁶µg/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

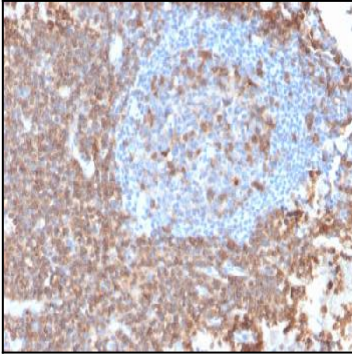


Figure 1: Formalin-fixed, paraffin-embedded human Lymph Node stained with CD43 Mouse Recombinant Monoclonal Antibody (rSPN/839).

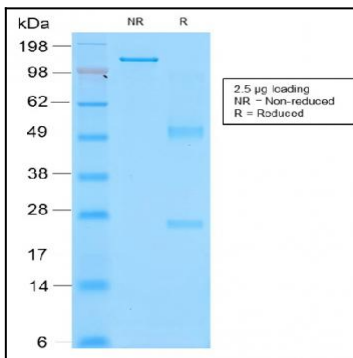


Figure 2: SDS-PAGE Analysis of Purified CD43 Mouse Recombinant Monoclonal Antibody (rSPN/839).