Recombinant CD43 (T-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone rSPN/6563]

Catalog No	Format	Size
6693-MSM13-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6693-MSM13-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6693-MSM13-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

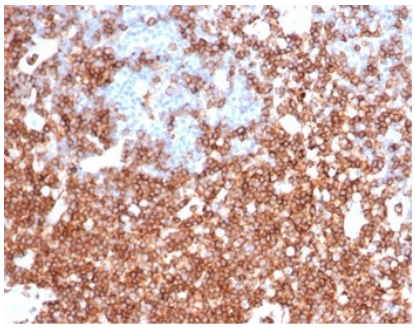
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

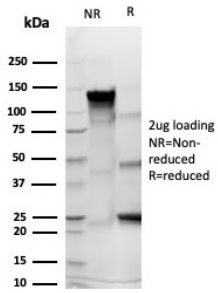
Clone	rSPN/6563
Immunogen	Recombinant full-length human SPN protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	40.32kDa
Cellular Localization	Cell projection, Membrane, Microvillus, Nucleus, PML body, Uropodium
Species Reactivity	Human
Positive Control	PBMCs or K562 cells (FC). K562 cell lysate (WB). Paracortex in a tonsil or a reactive lymph node (IHC).

**Optimal dilution for a specific application should be determined.*

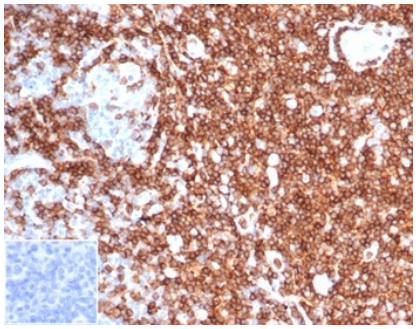
Product Images for Recombinant CD43 (T-Cell Marker) Antibody



IHC analysis of formalin-fixed, paraffin-embedded human colon. Strong membrane staining using rSPN/6563 at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified CD43 Recombinant Mouse Monoclonal Antibody (rSPN/6563). Confirmation of Integrity and Purity of Antibody.



Formalin-fixed, paraffin-embedded human tonsil stained with CD43 Recombinant Mouse Monoclonal Antibody (rSPN/6563) at 2ug/ml. Inset: PBS instead of primary antibody, secondary negative control.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.