CD44 / HCAM (Cancer Stem Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone BU75]

Catalog No	Format	Size
960-MSM17-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
960-MSM17-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
960-MSM17-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

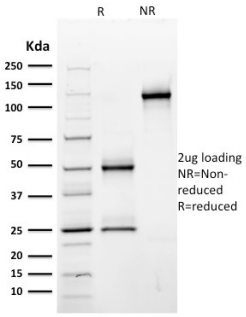
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

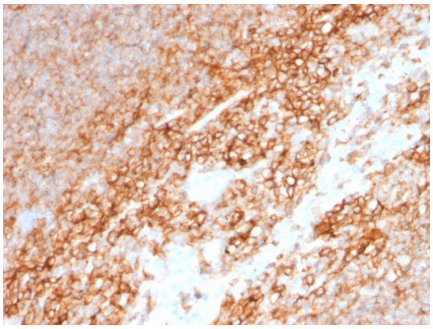
Clone	BU75
Gene Name	CD44
Immunogen	Follicular dendritic cells and germinal B cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	80-95kDa
Cellular Localization	Cell membrane, Cell projection, Microvillus
Species Reactivity	Baboon, Green Monkey, Human
Positive Control	HeLa cells. Paracortex in tonsil or lymph node.

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

Product Images for CD44 / HCAM (Cancer Stem Cell Marker) Antibody



SDS-PAGE Analysis of Purified CD44 Mouse Monoclonal Antibody (BU75). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Tonsil stained with CD44 Mouse Monoclonal Antibody (BU75).

Specificity & Comments

Recognizes a cell surface glycoprotein of 80-95kDa (CD44) on lymphocytes, monocytes, and granulocytes (Leucocyte Typing Workshop V). Its epitope is resistant to digestion by trypsin and chymotrypsin. This MAb selectively interferes with lymphocyte binding to lymph node, mucosal and synovial endothelium. The CD44 family of glycoproteins exists in a number of variant isoforms, the most common being the standard 85-95kDa or hematopoietic variant (CD44s). Higher molecular weight isoforms are described in epithelial cells (CD44v), which are believed to function in intercellular adhesion and stromal binding. CD44 immunostaining is commonly used for the discrimination of urothelial transitional cell carcinoma in-situ from non-neoplastic changes in the urothelium.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate 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 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.

Research Areas

Articular Cartilage Extracellular Matrix, Cardiovascular, Cytokine Signaling, Hematopoietic Stem Cells, Immunology, Mesenchymal Stem Cell Differentiation, Neural Stem Cells

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.