Recombinant CD44 / HCAM (Cancer Stem Cell Marker) Antibody

Rabbit Monoclonal Antibody [Clone HCAM/2875R]

Catalog No	Format	Size
960-RBM18-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
960-RBM18-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
960-RBM18-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

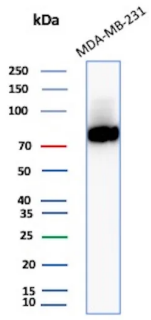
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

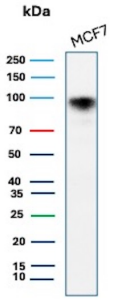
Clone	HCAM/2875R
Immunogen	Recombinant fragment (around aa1-742) of the human CD44 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	81.54kDa
Cellular Localization	Cell membrane, Cell projection, Microvillus, Secreted
Species Reactivity	Human
Positive Control	MCF7, HeLa or MDA-MB-231 cells. Paracortex in lymph node, MCF7, HeLa or MDA-MB-231 cells. Paracortex in lymph node, human lung, small intestine or tonsil.

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

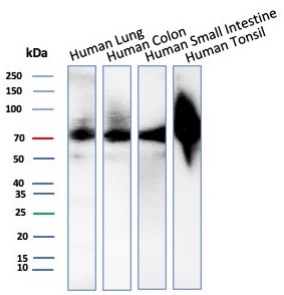
Product Images for Recombinant CD44 / HCAM (Cancer Stem Cell Marker) Antibody



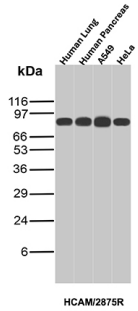
Western Blot Analysis of MDA-MB-231 lysate using CD44 Rabbit Recombinant Monoclonal Antibody (1HCAM/2875R)



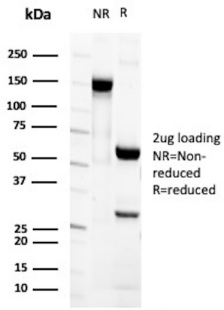
Western Blot Analysis of MCF7 lysate using CD44 Rabbit Recombinant Monoclonal Antibody (HCAM/2875R)



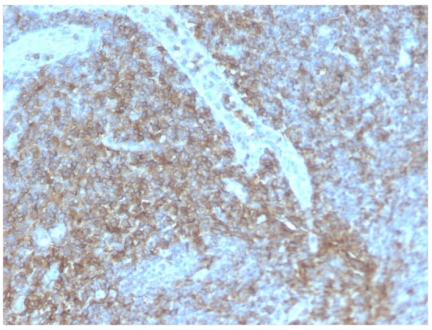
Western Blot Analysis of Human Lung, Colon, Small Intestine, Tonsil tissue lysate using CD44 Recombinant Rabbit Monoclonal Antibody (HCAM/2875R).



Western Blot Analysis of Human Lung, Human Pancreas, A549, and HeLa lysates using CD44 Recombinant Rabbit Monoclonal Antibody (HCAM/2875R).



SDS-PAGE Analysis of Purified CD44 antigen Recombinant Rabbit Monoclonal Antibody (HCAM/2875R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Lymph Node stained with CD44 Rabbit Recombinant Monoclonal Antibody (HCAM/2875R).

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 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.