CD44 / HCAM (Cancer Stem Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone HCAM/6779]

Catalog No	Format	Size
960-MSM24-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
960-MSM24-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
960-MSM24-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

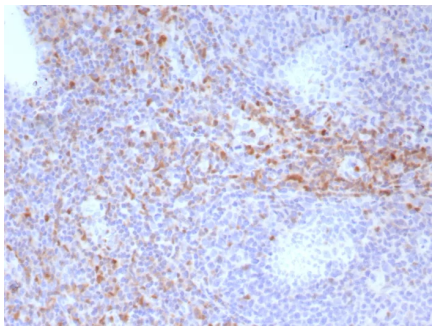
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

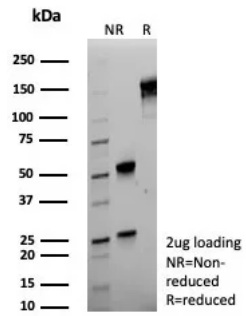
Clone	HCAM/6779
Gene Name	CD44
Immunogen	Recombinant full-length human CD44 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	80-95kDa
Cellular Localization	Cell surface
Species Reactivity	Human
Positive Control	Human cervix or tongue squamous cell carcinoma.

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

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



Formalin-fixed, paraffin-embedded human tonsil stained with CD44v6 Mouse Monoclonal Antibody (HCAM/6779). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified CD44v6 Mouse Monoclonal Antibody (HCAM/6779). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

This antibody recognizes an epitope encoded by exon v3 on the variant portion of human CD44. The CD44 molecule belongs to a family of cellular adhesion molecules found on a wide range of normal and malignant cells in epithelial, mesothelial and hemopoiesis tissues. CD44 is a single gene with 20 exons, of which 10 are normally expressed to encode the basic CD44 (H-CAM) molecule. The additional 10 exons (v1 to v10) are only expressed by alternative splicing of the nuclear RNA.The expression of specific cell adhesion molecule CD44 splice variants has been reported to be associated with metastasis in certain human malignancies.

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.