

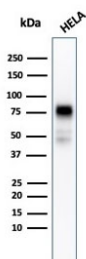
Recombinant CD44 Antibody / HCAM [clone rHCAM/918] (V8251)

Catalog No.	Formulation	Size
V8251-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8251-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8251SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

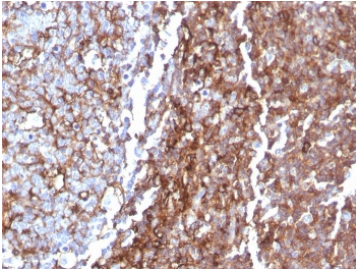
Recombinant **MOUSE MONOCLONAL**

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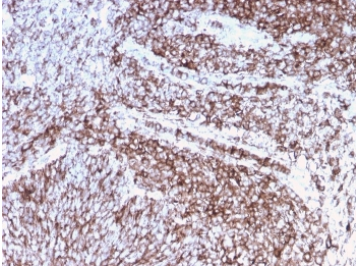
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rHCAM/918
Purity	Protein G affinity chromatography
UniProt	P16070
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10 ⁶ cells in 0.1ml Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant CD44 antibody is available for research use only.



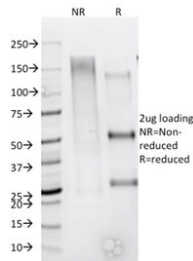
Western blot testing of human HeLa cell lysate with recombinant CD44 antibody (clone rHCAM/918). Predicted molecular weight ~81 kDa.



IHC staining of FFPE human tonsil tissue with recombinant CD44 antibody (clone rHCAM/918). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human cervix tissue with recombinant CD44 antibody (clone rHCAM/918). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant CD44 antibody (clone rHCAM/918) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the recombinant CD44 antibody should be determined by the researcher.

Immunogen

A recombinant full-length human CD44 protein was used as the immunogen for this recombinant CD44 antibody.

Storage

Store the recombinant CD44 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

