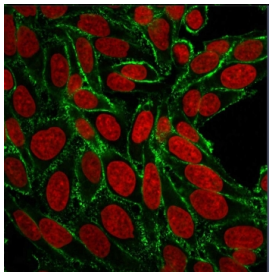
HCAM Antibody / CD44 [clone 156-3C11] (V2068)

Catalog No.	Formulation	Size
V2068-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2068-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2068SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2068IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

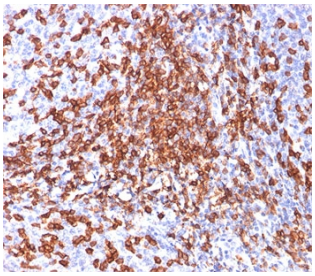
Citations (8)

Bulk quote request

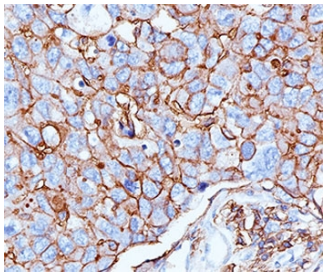
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	156-3C11
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	960
Localization	Cell surface, cytoplasmic
Applications	Flow Cytometry : 2-4ug/10^6 cells Immunofluorescence : 2-4ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **HCAM antibody** is available for research use only.



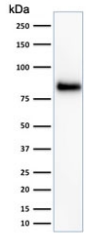
Immunofluorescent staining of human HeLa cells with HCAM antibody (clone 156-3C11, green) and Reddot nuclear stain (red).



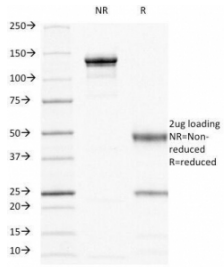
IHC testing of FFPE human tonsil stained with HCAM antibody (clone 156-3C11).



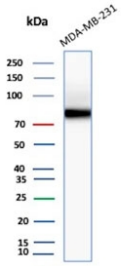
IHC testing of FFPE human breast cancer stained with HCAM antibody (clone 156-3C11).



Western blot testing of HeLa cell lysate with HCAM antibody (clone 156-3C11). Predicted molecular weight ~81 kDa.



SDS-PAGE analysis of purified, BSA-free HCAM antibody (clone 156-3C11) as confirmation of integrity and purity.



Western blot testing of MDA-MB-231 cell lysate with HCAM antibody (clone 156-3C11). Predicted molecular weight ~81 kDa.

Description

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

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the HCAM antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Stimulated human leukocytes were used as the immunogen for this CD44 / HCAM antibody.

Storage

Store the HCAM antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

References (1)