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Datasheet for ABIN6941197

anti-CD44 antibody

5 Images

Overview

Quantity:	100 µg
Target:	CD44
Reactivity:	Human, Baboon, Green Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD44 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Functional Studies (Func), Staining Methods (StM)

Product Details

Immunogen:	Stimulated human leukocytes
Clone:	156-3C11
Isotype:	IgG2a kappa
Specificity:	Recognizes a cell surface glycoprotein of 80-95 kDa (CD44) on lymphocytes, monocytes, and granulocytes (Leucocyte Typing Workshop V). Its epitope is resistant to digestion by trypsin and chymotrypsin. This MAbs 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 85-95 kDa 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.

Product Details

Purification: Purified by Protein A/G

Target Details

Target: CD44

Alternative Name: CD44 ([CD44 Products](#))

Molecular Weight: 80-95kDa

Gene ID: 960

UniProt: [P16070](#)

Pathways: [Glycosaminoglycan Metabolic Process](#), [Autophagy](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes: Positive Control: HeLa cells. Paracortex in tonsil or lymph node.
Known Application: Functional Studies (Order Ab without BSA & Azide), Flow Cytometry (2-4 µg/million cells), Immunofluorescence (2-4 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT), (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

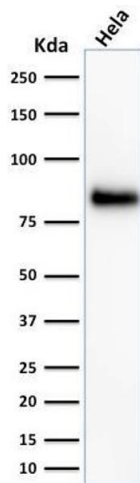
Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

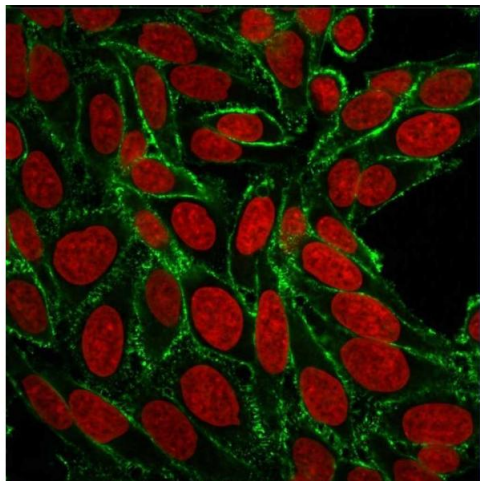
Storage: 4 °C, -80 °C

Storage Comment: 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.



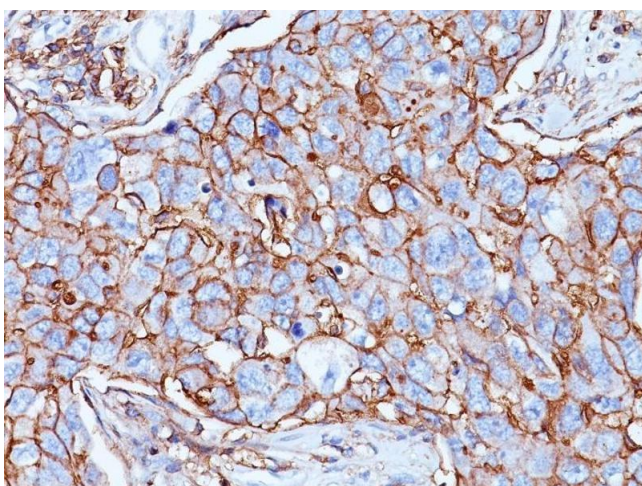
Western Blotting

Image 1. Western Blot Analysis of HeLa cell lysate using CD44 Mouse Monoclonal Antibody (156-3C11).



Immunofluorescence

Image 2. Confocal immunofluorescence image of HeLa cells using CD44 Mouse Monoclonal Antibody (156-3C11) Green (CF488) and Reddot is used to label the nuclei Red.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with CD44 Mouse Monoclonal Antibody (156-3C11).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6941197.