

Datasheet for ABIN5539380
anti-CEACAM5 antibody (N-Term)



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3 Images

Overview

Quantity:	400 µL
Target:	CEACAM5
Binding Specificity:	AA 50-77, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CEACAM5 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CEACAM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-77 amino acids from the N-terminal region of human CEACAM.
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	CEACAM5
Alternative Name:	CEACAM (CEACAM5 Products)
Background:	CEACAM is a member of the carcinoembryonic antigen (CEA) family, which belongs to the

Target Details

immunoglobulin superfamily. The protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses.

Molecular Weight: 58 kDa

Gene ID: 634

UniProt: [P13688](#)

Application Details

Application Notes: For WB starting dilution is: 1:1000

For IHC-P starting dilution is: 1:10~50

For FACS starting dilution is: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 2 mg/mL

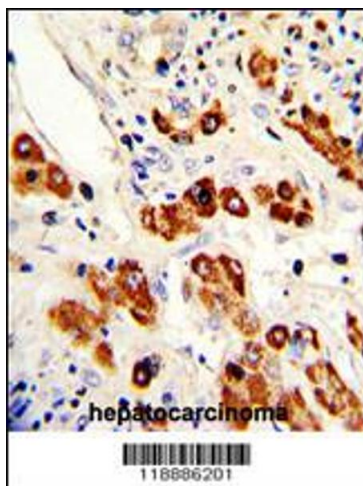
Buffer: Supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

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

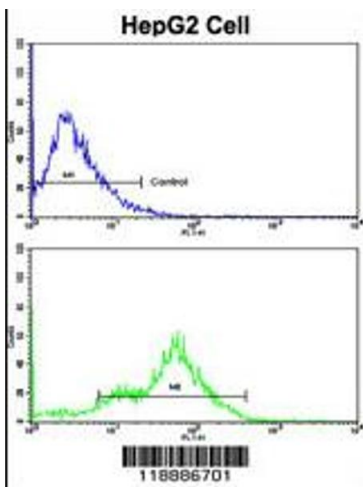
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



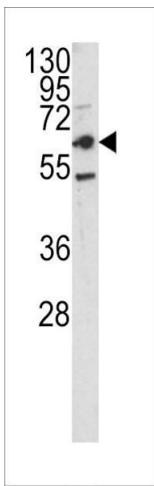
Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human hepatocarcinoma with CEACAM Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



Flow Cytometry

Image 2. Flow cytometric analysis of HepG2 cells using CEACAM Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 3. Western blot analysis of CEACAM antibody in HepG2 cell line lysates (35ug/lane)