10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD66c Antibody

Catalog # AP95767

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P40199
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	37237

Additional Information

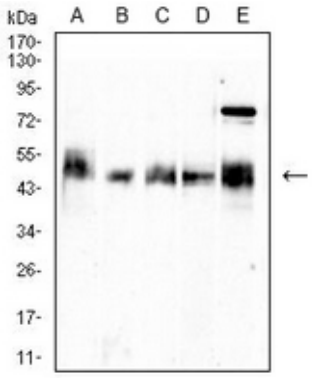
Gene ID	4680
Other Names	NCA; CarcinoembryonIC, antigen-related cell adhesion molecule 6; Non-specifIC, crossreacting antigen; Normal cross-reacting antigen; CD66c
Target/Specificity	Recombinant fusion protein of human CD66c expressed in HEK293
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

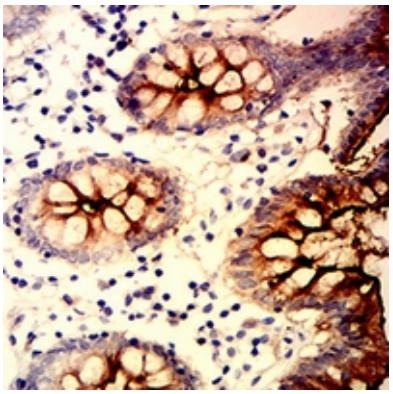
Name	CEACAM6 (HGNC:1818)
Function	Cell surface glycoprotein that plays a role in cell adhesion and tumor progression (PubMed:10910050, PubMed:11590190, PubMed:1378450, PubMed:16204051, PubMed:2022629, PubMed:2803308, PubMed:8776764). Intercellular adhesion occurs in a calcium- and fibronectin-independent manner (PubMed:16204051, PubMed:2022629). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM5 and CEACAM8 (PubMed:11590190, PubMed:16204051, PubMed:2022629, PubMed:2803308, PubMed:8776764). Heterophilic interaction with CEACAM8 occurs in activated neutrophils (PubMed:8776764). Plays a role in neutrophil adhesion to cytokine-activated endothelial cells (PubMed:1378450). Plays a role in cell migration and cell adhesion to endothelial cells (PubMed:16204051).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Apical cell membrane. Cell surface. Note=Localized to the apical glycocalyx surface.
Tissue Location	Expressed in neutrophils (PubMed:1378450). Expressed in columnar epithelial

and goblet cells of the colon (PubMed:10436421). Expressed in numerous tumor cell lines (at protein level) (PubMed:16204051).

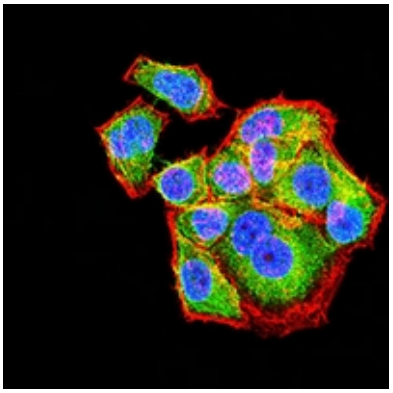
Images



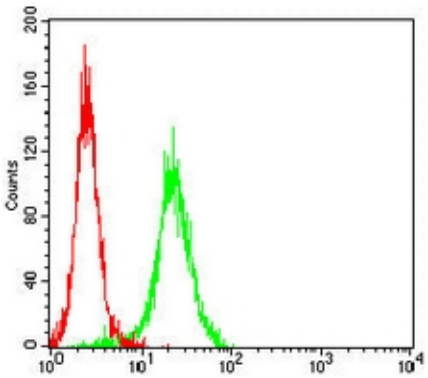
Western blot analysis of CD66c expression in Jurkat (A), PC12 (B), HEK293 (C), MG63 (D), C2C12 (E) whole cell lysates. (Predicted band size: 37 kD; Observed band size: 50 kD)



Immunohistochemical analysis of CD66c staining in human colon formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CD66c staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of Jurkat cells using Anti-CD66c Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.