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Anti-CEACAM6 / CD66c Reference Antibody (NEO-201)

Recombinant Antibody
Catalog # APR10829

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P40199
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	37237

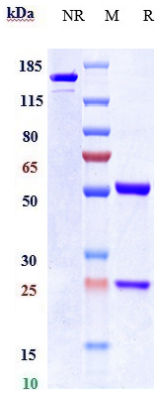
Additional Information

Target/Specificity	CEACAM6 / CD66c
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

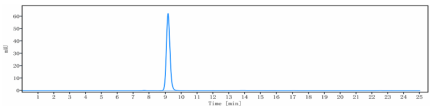
Protein Information

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).

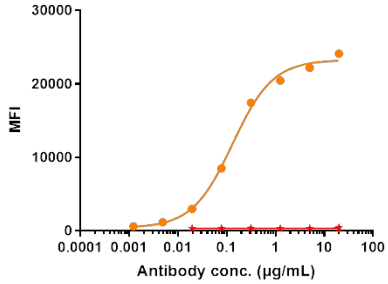
Images



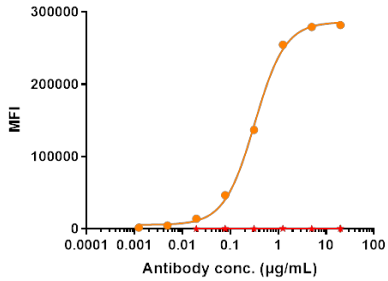
Anti-CEACAM6 / CD66c Reference Antibody (NEO-201) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



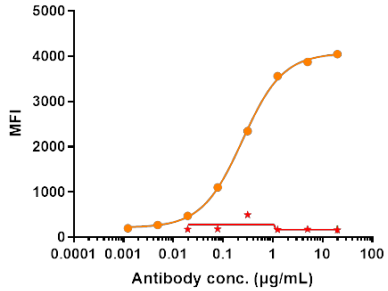
The purity of Anti-CEACAM6 / CD66c Reference Antibody (NEO-201) is 99.21%, determined by SEC-HPLC.



Human CEACAM6 / CD66c EGFP-HEK293 Cell Line were stained with Anti-CEACAM6 / CD66c Reference Antibody (NEO-201) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.1314 ug/mL.

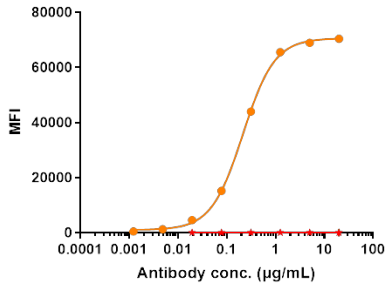


Cynomolgus / Rhesus Macaque CEACAM6 / CD66c EGFP-HEK293 Cell Line were stained with Anti-CEACAM6 / CD66c Reference Antibody (NEO-201) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.3227 ug/mL.



Human CEACAM6 / CD66c EGFP CHO-S Cell Line were stained with Anti-CEACAM6 / CD66c Reference Antibody (NEO-201) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.2456 ug/mL.

Cynomolgus / Rhesus Macaque CEACAM6 / CD66c EGFP CHO-S Cell Line were stained with Anti-CEACAM6 / CD66c Reference Antibody (NEO-201) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.2147 ug/mL.



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