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Anti-CEACAM5 / CEA / CD66e Reference Antibody (tusamitamab-MMAE)

Recombinant Antibody
Catalog # APR10103

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P06731
Reactivity	Human
Clonality	ADC
Isotype	IgG1
Calculated MW	76796

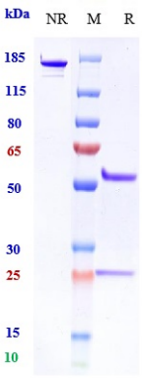
Additional Information

Target/Specificity	CEACAM5 / CEA / CD66e
Endotoxin Conjugation	MMAE
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

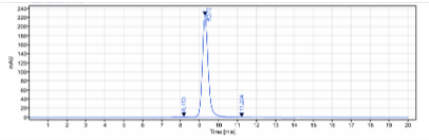
Protein Information

Name	CEACAM5 (HGNC:1817)
Function	Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression (PubMed:10864933, PubMed:10910050, PubMed:2803308). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6 (PubMed:2803308). Plays a role as an oncogene by promoting tumor progression; induces resistance to anoikis of colorectal carcinoma cells (PubMed:10910050).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Apical cell membrane. Cell surface Note=Localized to the apical glycocalyx surface
Tissue Location	Expressed in columnar epithelial and goblet cells of the colon (at protein level) (PubMed:10436421). Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.

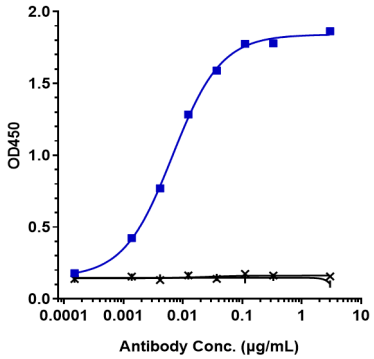
Images



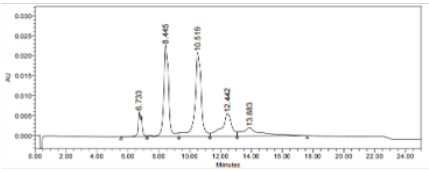
Anti-CEACAM5 / CEA / CD66e Reference Antibody (Tusamitamab-MMAE) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



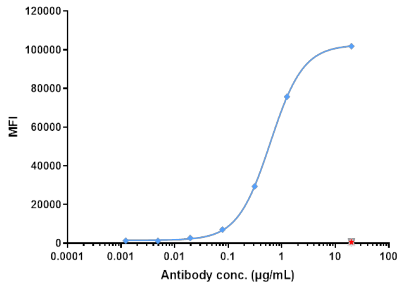
The purity of Anti-CEACAM5 / CEA / CD66e Reference Antibody (Tusamitamab-MMAE) is more than 95%, determined by SEC-HPLC.



Immobilized human CEACAM5 His at 2 ug/mL can bind Anti-CEACAM5 / CEA / CD66e Reference Antibody (Tusamitamab-MMAE), EC50 is 0.00665 ug/mL.



The drug-to-antibody ratio (DAR) of the Anti-CEACAM5 / CEA / CD66e Reference Antibody (Tusamitamab-MMAE) is 3.9.



Human CEACAM5 / CEA / CD66e HEK293 Cell Line were stained Anti-CEACAM5 / CEA / CD66e Reference Antibody (Tusamitamab-MMAE) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, The EC50 is 0.68 ug/mL.

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