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

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

Recombinant Antibody
Catalog # APR10103

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P06731
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	76796

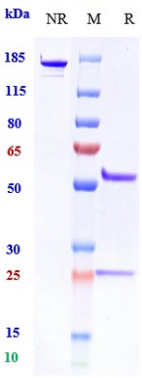
Additional Information

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

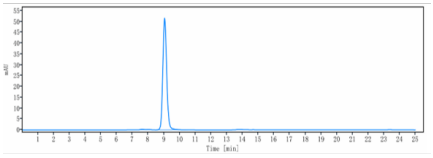
Protein Information

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.

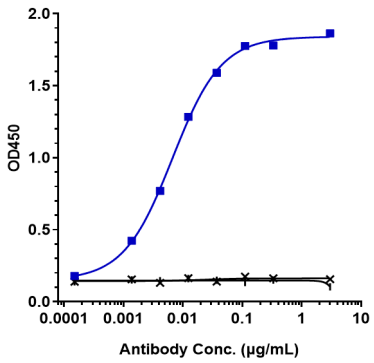
Images



Anti-CEACAM5 / CEA / CD66e Reference Antibody (tusamitamab-MMAE) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



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 μg/mL can bind Anti-CEACAM5 / CEA / CD66e Reference Antibody (tusamitamab-MMAE),EC50=0.00665 μg/mL