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

# Anti-CEACAM5 / CEA / CD66e Reference Antibody (labetuzumab)

Recombinant Antibody
Catalog # APR10100

## Product Information

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

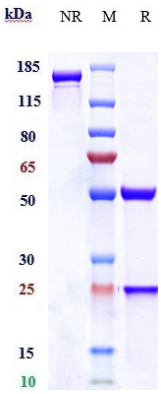
## Additional Information

| | |
|---|---|
| **Target/Specificity** | CEACAM5 / CEA / CD66e |
| **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. |

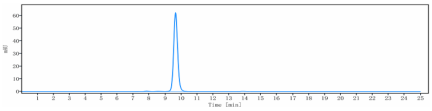
## Protein Information

| | |
|---|---|
| **Name** | 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. |

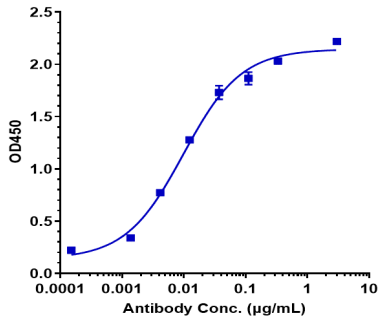
## Images




Anti-CEACAM5 / CEA / CD66e Reference Antibody (labetuzumab) 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 (labetuzumab) is 98.53%, determined by SEC-HPLC.




Immobilized human CEACAM5 His Biotin at 2 ug/mL can bind Anti-CEACAM5 / CEA / CD66e Reference Antibody (labetuzumab), EC50=0.009815 ug/mL.

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