

Human CEACAM6/CD66c ELISA Kit | CEACAM6/CD66c elisa kit

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CATALOG #
AAA258391

REACTIVITY
Human

PRODUCT SYNONYMS

CEACAM6/CD66c; Human CEACAM6/CD66c ELISA Kit; CEACAM6 ELISA Kit; Human; carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen); CD66c ELISA Kit; CEA ELISA Kit; CEAL ELISA Kit; NCA ELISA Kit; CEACAM6/CD66c elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human CEACAM6/CD66c concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	15.63-1000pg/mL
Sensitivity	2.78pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

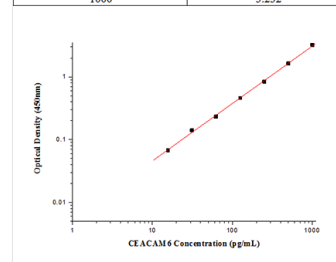
IMAGES

Recombinant human			
CEACAM1	CEACAM3	CEACAM5	CEACAM8
Recombinant mouse			
CEACAM1			

Application Data

This assay recognizes both recombinant and natural Human CEACAM6. The factors listed above were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
15.625	0.068
31.25	0.141
62.5	0.232
125	0.462
250	0.84
500	1.635
1000	3.232



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CEACAM6/CD66c elisa kit	This CD38 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human CD38 protein in Recombinant protein. It contains recombinant Human CD38, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Carcinoembryonic antigen-related cell adhesion molecule 6 (CEACAM6), also known as nonspecific crossreacting antigen (NCA) and CD66c, is one of seven human CEACAM family members within the immunoglobulin superfamily. It s a glycosylphosphatidylinositol-linked immunoglobulin superfamily member that is overexpressed in a variety of human cancers, including colon, breast and lung and is associated with tumourigenesis, tumour cell adhesion, invasion and metastasis. CEACAM6 is a unique mediator of migration and invasion of drug resistant oestrogen-deprived breast cancer cells, and this protein could be an important biomarker of metastasis. CEACAM6 is expressed by granulocytes and their progenitors. It is also expressed by epithelia of various organs and is upregulated in pancreatic and colon adenocarcinomas, as well as hyperplastic polyps. Resistance to adhesion-related apoptosis in tumor cells is conferred in the condition of CEACAM6 overexpression.
References	Duxbury MS, et al. (2004) Overexpression of CEACAM6 promotes insulin-like growth factor I-induced pancreatic adenocarcinoma cellular invasiveness. Oncogene. 23(34): 5834-42. Lewis-Wambi JS, et al. (2008) Overexpression of CEACAM6 promotes migration and invasion of oestrogen-deprived breast cancer cells. Eur J Cancer. 44(12): 1770-9.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ceacam6-cd66c/258391>