

## Product datasheet for **EA200044**

### Human CEACAM5 ELISA Kit 1 x 96

#### Product data:

Product Type:	ELISA Kits
Description:	Human CEACAM5 ELISA Kit 1 x 96
Size:	1 x 96 wells
Format:	8x12 divisible strips
Assay Type:	Sandwich
Assay Length:	3.5 hours incubations; 0.5 hour washing and analyzing samples
Signal:	Colorimetric
Curve Range:	0.313-20ng/ml
Sample Type:	Human serum, plasma, and other biological fluids.
Sample Volume:	100µl
Specificity:	This kit is used for quantitative detection of CEACAM5
Sensitivity:	99pg/ml
Reactivity:	Human
Cross Reactivity:	There is no detectable cross-reactivity with other relevant proteins.
Interference:	No significant interference observed with available related molecules.
Components:	<ul style="list-style-type: none"><li>● CEACAM5 Monoclonal Antibody Coated 96-well Plate in foil pouch with desiccant   1 plate</li><li>● Human CEACAM5 Standard (1000ng/ml)   0.1 mL</li><li>● 100x Biotin conjugated CEACAM5 Detection Antibody   0.12 mL</li><li>● 100x SA-HRP Conjugate   0.12 mL</li><li>● Assay Buffer   40 mL</li><li>● Sample Diluent   30 mL</li><li>● Wash Buffer Concentrate 20X   60 mL</li><li>● TMB Substrate   12 mL</li><li>● Stop Solution   12 mL</li><li>● Plate Sealer   3 pieces</li></ul>



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**Background:**

Carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5) also known as CD66e (Cluster of Differentiation 66e), is a member of the carcinoembryonic antigen (CEA) gene family. CEACAM5 is often used as a synonym for cancer embryonic antigen (CEA). It is a well-known biomarker of many types of malignancies, such as colorectal cancer and non-small-cell lung cancer. Its primary function in the embryonic intestine and colon tumors is adhesion between epithelial cells. Also, it plays a significant role in the inhibition of differentiation and apoptosis in colon cells. There are evidences that high CEACAM5 expression is firmly associated with the CD133-positive colorectal cancer stem cells. High CEACAM5 expression has also been identified in ~25% of patients with advanced non-squamous non-small cell lung cancer (NSCLC) detectable via IHC (immunohistochemistry). Elevated levels of CEACAM5 in the serum of colorectal cancer (CRC) patients represent a clinical biomarker that correlates with disease recurrence.

**Gene Symbol:**

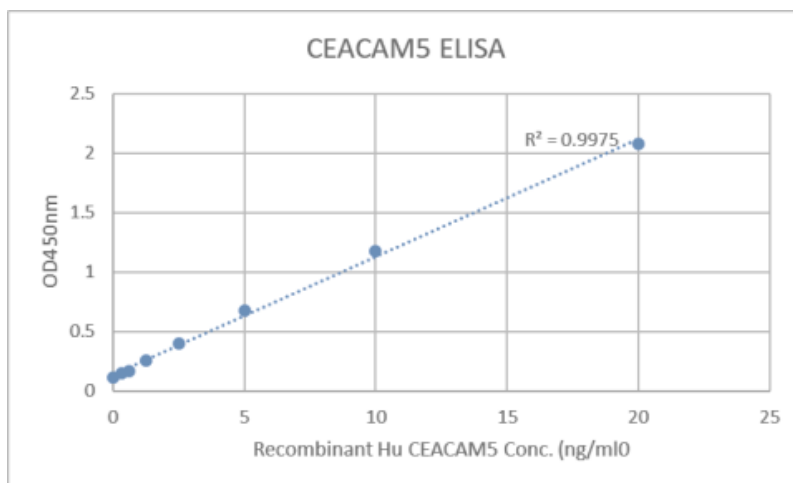
CEACAM5

**Gene ID:**

1048

**Standard Curve:**

□  
Data image of Human CEACAM5 ELISA Kit.

**Product images:**

Data image of Human CEACAM5 ELISA Kit.