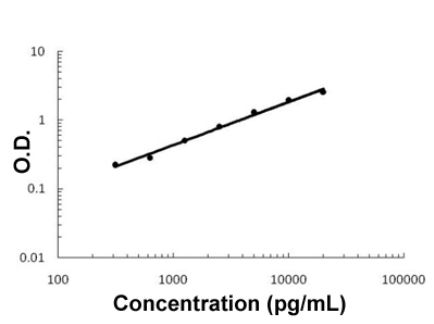
CEACAM1 (Human) ELISA Kit

Catalog # KA5565 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CEACAM1 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for the quantitative measurement of human CEACAM1.
Suitable Sample	Cell Culture Supernates, Cell Lysates, Plasma (EDTA, Heparin) and Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	312 tp 20000 pg/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

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Applications

- Quantification

Gene Info — CEACAM1

Entrez GeneID	634
Protein Accession#	P13688
Gene Name	CEACAM1
Gene Alias	BGP, BGP1, BGPI
Gene Description	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)
Omim ID	109770
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. Two subgroups of the CEA family, the CEA cell adhesion molecules and the pregnancy-specific glycoproteins, are located within a 1.2 Mb cluster on the long arm of chromosome 19. Eleven pseudogenes of the CEA cell adhesion molecule subgroup are also found in the cluster. The encoded protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The encoded protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature of only two has been determined. [provided by RefSeq
Other Designations	CD66a antigen|antigen CD66|biliary glycoprotein adhesion molecule|carcinoembryonic antigen-related cell adhesion molecule 1

Disease

- Body Weight
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Meningococcal Infections

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- Metabolic Syndrome X
- Osteoporosis

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