

## Human CEACAM1 ELISA Kit

Catalog No: #EK5625

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## Description

Product Name	Human CEACAM1 ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,Q35-G428
Other Names	Carcinoembryonic antigen-related cell adhesion molecule 1; Biliary glycoprotein 1; BGP-1; CD66a; CEACAM1; BGP, BGP1;
Accession No.	P13688
Uniprot	P13688
GeneID	634;
Cell Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein.

## Application Details

sensitivity:10pg mlDetect Range:312pg ml-20 000pg ml  
sample\_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).  
capture\_antibody:monoclonal antibody from mouse  
detection\_antibody:polyclonal antibody from goat  
gene\_name:CEACAM1  
protein\_name:Carcinoembryonic antigen-related cell adhesion molecule 1  
gene\_full\_name:Carcinoembryonic antigen-related cell adhesion molecule 1  
tissue\_specificity:sequence\_similarities:Belongs to the immunoglobulin superfamily. CEA family.  
tm\_bincubation:15-20min  
research\_category:tags & cell markers|cell type markers|tumor associated|cancer|tumor immunology|tumor-associated antigens|oncoproteins/suppressors|tumor suppressors|tumor biomarkers|tumor antigens|microbiology|protein|human protein|receptor

## Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human CEACAM1

## Background

protein\_function:CEACAM1, also known as CD66a (Cluster of Differentiation 66a), is a human glycoprotein encoded by a gene. This gene encodes a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. CEACAM1 is mapped to 19q13.2 in human. 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.

Note: This product is for in vitro research use only