

ARG83248 Human CEACAM3 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83248 Human CEACAM3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CEACAM3 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CEACAM3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	13 pg/ml
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 2.7% Inter-Assay CV: 4.2%
Alternate Names	CGM1; W282; Carcinoembryonic antigen CGM1; CEA; Carcinoembryonic antigen-related cell adhesion molecule 3; W264; CD66D; CD antigen CD66d

Application Instructions

Assay Time	~ 5 hours
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Properties

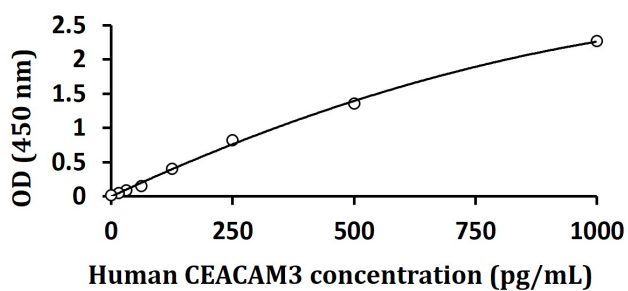
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CEACAM3
Gene Full Name	carcinoembryonic antigen-related cell adhesion molecule 3
Background	This gene encodes a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling human-specific pathogens by the innate immune system. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2013]

Function	Major granulocyte receptor mediating recognition and efficient opsonin-independent phagocytosis of CEACAM-binding microorganisms, including Neisseria, Moxarella and Haemophilus species, thus playing an important role in the clearance of pathogens by the innate immune system. Responsible for RAC1 stimulation in the course of pathogen phagocytosis. [UniProt]
PTM	Tyrosine-phosphorylated in response to microbial binding. Tyr-230 and Tyr-241 are both required for phosphorylation to be detected. [UniProt]
Cellular Localization	Membrane, Single-pass type I membrane protein. [UniProt]

Images



ARG83248 Human CEACAM3 ELISA Kit standard curve image

ARG83248 Human CEACAM3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.
