

ARG81775 Human CEA ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81775-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81775-002	Standard	2 X 20 ng/vial	4°C
ARG81775-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81775-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81775-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81775-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81775-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81775-008	25X Wash buffer	20 ml	4°C
ARG81775-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81775-010	STOP solution	10 ml (Ready to use)	4°C
ARG81775-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81775 Human CEA ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CEA in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD66e / CEA
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	156 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	312 - 20000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.5%; Inter-Assay CV: 5.9%
Alternate Names	Carcinoembryonic antigen-related cell adhesion molecule 5; CEA; CD66e; CD antigen CD66e; Carcinoembryonic antigen; Meconium antigen 100

Application Instructions

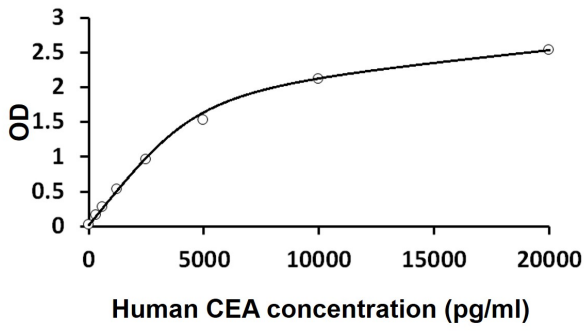
Assay Time	~ 5 hours
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Properties

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	CEACAM5
Gene Full Name	carcinoembryonic antigen-related cell adhesion molecule 5
Background	This gene encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, the encoded protein may regulate differentiation, apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2015]
Function	Cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. Receptor for E.coli Dr adhesins. [UniProt]
Highlight	Related products: CD66 antibodies ; CD66 ELISA Kits ; CD66 Duos / Panels ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Complex immunoreactive glycoprotein with a MW of 180 kDa comprising 60% carbohydrate. [UniProt]



ARG81775 Human CEA ELISA Kit standard curve image

ARG81775 Human CEA ELISA Kit results of a typical standard run with optical density reading at 450 nm.