

ARG81889 Human CD222 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81889-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81889-002	Standard	2 X 10 ng/vial	4°C
ARG81889-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81889-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81889-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81889-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81889-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81889-008	25X Wash buffer	20 ml	4°C
ARG81889-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81889-010	STOP solution	10 ml (Ready to use)	4°C
ARG81889-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81889 Human CD222 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD222 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	CD222
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 4.7%; Inter-Assay CV: 6.2%
Alternate Names	CD222; MPR 300; Insulin-like growth factor II receptor; M6P/IGF2R; MPRI; 300 kDa mannose 6-phosphate receptor; IGF-II receptor; CI Man-6-P receptor; M6P/IGF2 receptor; MPR1; CIMPR; Cation-independent mannose-6-phosphate receptor; CD antigen CD222; Insulin-like growth factor 2 receptor; M6P-R; CI-MPR; M6PR

Application Instructions

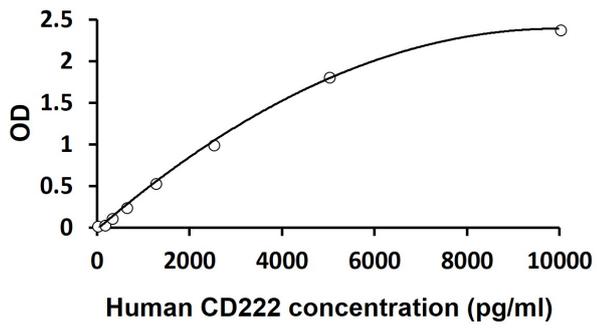
Assay Time	~ 5 hours
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Properties

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	IGF2R
Gene Full Name	insulin-like growth factor 2 receptor
Background	This gene encodes a receptor for both insulin-like growth factor 2 and mannose 6-phosphate, although the binding sites for either are located on different segments of the receptor. This receptor functions in the intracellular trafficking of lysosomal enzymes, the activation of transforming growth factor beta, and the degradation of insulin-like growth factor 2. While the related mouse gene shows exclusive expression from the maternal allele, imprinting of the human gene appears to be polymorphic, with only a minority of individuals showing expression from the maternal allele. [provided by RefSeq, Apr 2013]
Function	Transport of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes. Lysosomal enzymes bearing phosphomannosyl residues bind specifically to mannose-6-phosphate receptors in the Golgi apparatus and the resulting receptor-ligand complex is transported to an acidic prelysosomal compartment where the low pH mediates the dissociation of the complex. This receptor also binds IGF2. Acts as a positive regulator of T-cell coactivation, by binding DPP4. [UniProt]
Highlight	Related products: CD222 antibodies ; CD222 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81889 Human CD222 ELISA Kit standard curve image

ARG81889 Human CD222 ELISA Kit results of a typical standard run with optical density reading at 450 nm.