ARG81965
Rat CD166 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81965-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81965-002	Standard	2 X 10 ng/vial	4°C
ARG81965-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81965-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81965-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81965-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81965-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81965-008	25X Wash buffer	20 ml	4°C
ARG81965-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81965-010	STOP solution	10 ml (Ready to use)	4°C
ARG81965-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81965 Rat CD166 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat CD166 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD166
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	39 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	78 - 5000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.9%; Inter-Assay CV: 8.0%
Alternate Names	MEMD; CD166 antigen; CD antigen CD166; Activated leukocyte cell adhesion molecule; CD166

Application Instructions

Assay Time	~ 5 hours

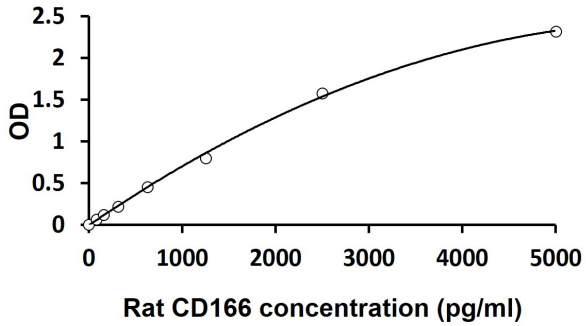
Properties

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	ALCAM
Gene Full Name	activated leukocyte cell adhesion molecule
Background	This gene encodes activated leukocyte cell adhesion molecule (ALCAM), also known as CD166 (cluster of differentiation 166), which is a member of a subfamily of immunoglobulin receptors with five immunoglobulin-like domains (VVC2C2C2) in the extracellular domain. This protein binds to T-cell differentiation antigene CD6, and is implicated in the processes of cell adhesion and migration. Multiple alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, Aug 2011]
Function	Cell adhesion molecule that binds to CD6. Involved in neurite extension by neurons via heterophilic and homophilic interactions. May play a role in the binding of T- and B-cells to activated leukocytes, as well as in interactions between cells of the nervous system. [UniProt]
Highlight	Related products: CD166 antibodies; CD166 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Glycosylated. [UniProt]

Images



ARG81965 Rat CD166 ELISA Kit standard curve image

ARG81965 Rat CD166 ELISA Kit results of a typical standard run with optical density reading at 450 nm.