

ARG81731 Human CD147 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81731-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81731-002	Standard	2 X 10 ng/vial	4°C
ARG81731-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81731-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81731-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81731-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81731-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81731-008	25X Wash buffer	20 ml	4°C
ARG81731-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81731-010	STOP solution	10 ml (Ready to use)	4°C
ARG81731-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81731 Human CD147 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD147 in serum, plasma (heparin, EDTA), saliva, urine, human milk and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD147
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), saliva, urine, human milk and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 7.3%; Inter-Assay CV: 7.6%
Alternate Names	OK; Tumor cell-derived collagenase stimulatory factor; Leukocyte activation antigen M6; TCSF; Extracellular matrix metalloproteinase inducer; OK blood group antigen; CD147; Basigin; M6; EMMPRIN; Collagenase stimulatory factor; CD antigen CD147; 5F7

Application Instructions

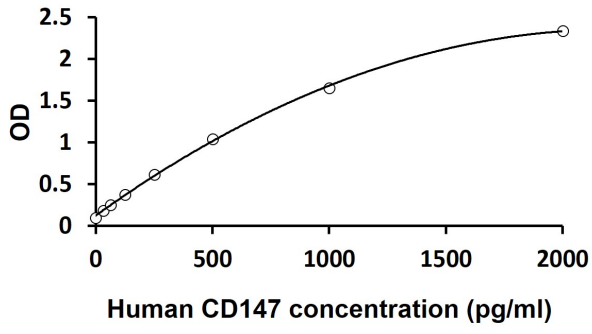
Assay Time	~ 5 hours
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Properties

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	BSG
Gene Full Name	basigin (Ok blood group)
Background	The protein encoded by this gene is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. The encoded protein is also a member of the immunoglobulin superfamily. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Plays an important role in targeting the monocarboxylate transporters SLC16A1, SLC16A3 and SLC16A8 to the plasma membrane. Plays pivotal roles in spermatogenesis, embryo implantation, neural network formation and tumor progression. Stimulates adjacent fibroblasts to produce matrix metalloproteinases (MMPs). Seems to be a receptor for oligomannosidic glycans. In vitro, promotes outgrowth of astrocytic processes. [UniProt]
Highlight	Related products: CD147 antibodies ; CD147 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. [UniProt]



ARG81731 Human CD147 ELISA Kit standard curve image

ARG81731 Human CD147 ELISA Kit results of a typical standard run with optical density reading at 450 nm.