

ARG83013 Human CD147 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83013 Human CD147 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD147 in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not cross-reacts with Human CYPB, MMP-1, MMP-2, MMP-3, MMP-9. Mouse EMMPRIN.
Target Name	CD147
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25 pg/ml
Sample Type	Serum, plasma (heparin), ascites, urine and cell culture supernatants.
Standard Range	62.5 - 4000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
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	~ 4 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.

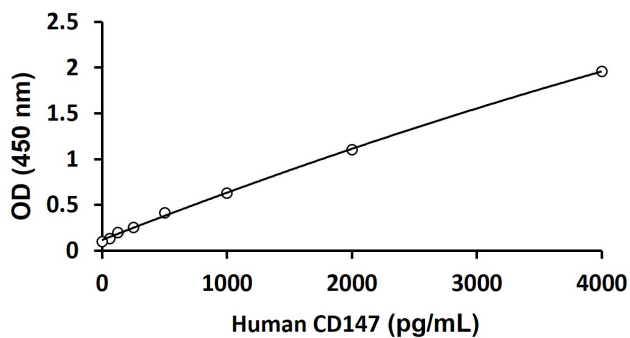
Bioinformation

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 ; CD147 recombinant proteins ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. [UniProt]
Cellular Localization	Cell membrane; Single-pass type I membrane protein. Melanosome. [UniProt]

Images



ARG83013 Human CD147 ELISA Kit standard curve image

ARG83013 Human CD147 ELISA Kit results of standard run with optical density reading at 450 nm