

Human CD147 ELISA Kit | BSG elisa kit

Human CD147 ELISA Kit

CATALOG # AAA105706	REACTIVITY Human	APPLICATIONS ELISA
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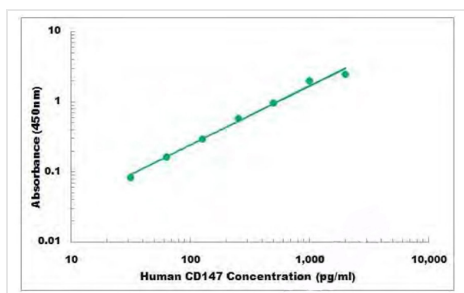
PRODUCT SYNONYMS

CD147; Human CD147 ELISA Kit; Basigin; 5F7; Collagenase stimulatory factor; Extracellular matrix metalloproteinase inducer; EMMPRIN; Leukocyte activation antigen M6; OK blood group antigen; Tumor cell-derived collagenase stimulatory factor; TCSF; BSG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD147 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD147 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	385
Samples	Culture Supernatants, Serum, Plasma, Urine
Sensitivity	< 2 pg/ml
Applicable Applications for BSG elisa kit	ELISA (Sandwich ELISA)
Detection Method	Colorimetric
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BSG elisa kit	Background: Basigin is a member of the immunoglobulin superfamily that is also known as EMMPRIN, short for extracellular matrix metalloproteinase inducer, and recently has been designated CD147 (cluster of differentiation 147). It is a member of the immunoglobulin superfamily, with a structure related to the putative primordial form of the family. As members of the immunoglobulin superfamily play fundamental roles in intercellular recognition involved in various immunologic phenomena, differentiation, and development, basigin is thought also to play a role in intercellular recognition (Miyauchi et al., 1991; Kanekura et al., 1991). This protein is a determinant for the Ok blood group system. Basigin is a type I integral membrane receptor that has many ligands, including the cyclophilin (CyP) proteins Cyp-A and CyP-B and certain integrins. It is expressed by many cell types, including epithelial cells, endothelial cells and leukocytes. Principle of the Assay: The Human CD147 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD147 in Cell Culture Supernatants, Serum, Plasma, Urine. This assay employs an antibody specific for Human CD147 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD147 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD147 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of CD147 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38372919
NCBI GeneID	682
NCBI Accession #	NP_001719.2
NCBI GenBank Nucleotide #	NM_001728.3
UniProt Accession #	P35613; Q7Z796; Q8IZL7; A6NJW1; D3YLG5
Molecular Weight	22,764 Da
NCBI Official Full Name	basigin isoform 1
NCBI Official Synonym Full Names	basigin (Ok blood group)
NCBI Official Symbol	BSG
NCBI Official Synonym Symbols	M6; OK; 5F7; TCSF; CD147; EMMPRIN
NCBI Protein Information	basigin; CD147 antigen; OK blood group antigen; collagenase stimulatory factor; leukocyte activation antigen M6; extracellular matrix metalloproteinase inducer; tumor cell-derived collagenase stimulatory factor
UniProt Protein Name	Basigin
UniProt Gene Name	BSG
UniProt Synonym Gene Names	EMMPRIN; TCSF
UniProt Entry Name	BASI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/bsg-human-elisa-kits/cd147/105706>