

Human EMMPRIN/CD147/BSG ELISA Kit | BSG elisa kit

Human EMMPRIN/CD147/BSG PicoKine Quick ELISA Kit

CATALOG # AAA126813	REACTIVITY Human	APPLICATIONS ELISA
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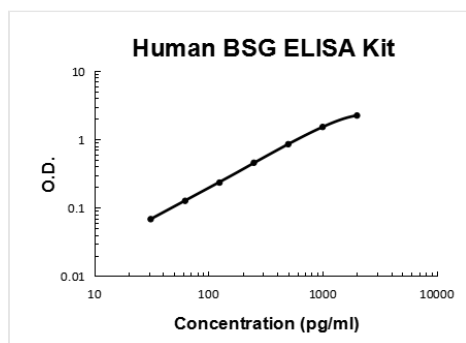
PRODUCT SYNONYMS

EMMPRIN/CD147/BSG; Human EMMPRIN/CD147/BSG PicoKine Quick ELISA Kit; BSG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human BSG
Assay Type	Sandwich
Samples	Cell culture supernatants, serum, plasma (heparin, EDTA), saliva, urine and human milk
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<2 pg/ml
Applicable Applications for BSG elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human BSG PicoKine ELISA Kit standard curve

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 Quick Picokine™ Human BSG Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human BSG in cell culture supernatants, serum, plasma (heparin, EDTA), saliva, urine and human milk. It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Human BSG protein as standards. To measure Human BSG, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Human BSG in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human BSG in the sample.
Product Categories/Family for BSG elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

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	42,200 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.