

Human Emmprin ELISA Kit | BSG elisa kit

Human Emmprin PicoKine ELISA Kit

CATALOG #
AAA45263

REACTIVITY
Human

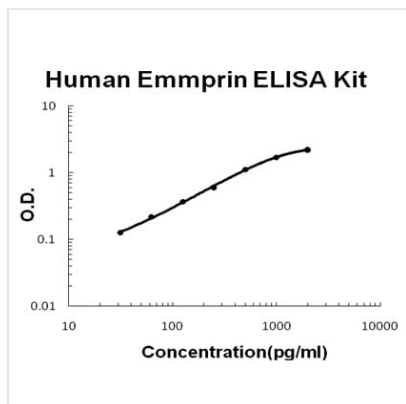
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Emmprin
Sequence Length	385
Samples	Cell culture supernates, serum, plasma (heparin, EDTA), saliva, urine and human milk
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 2pg/ml
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 between 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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Emmprin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for BSG elisa kit

Principle of the assay: human Emmprin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Emmprin has been precoated onto 96-well plates. Standards(NSO, T25-H205) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Emmprin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Emmprin amount of sample captured in plate.

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).[1][2] 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.[3][4][5] It is expressed by many cell types, including epithelial cells, endothelial cells and leukocytes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51704273
NCBI GeneID	682
UniProt Accession #	P35613; Q7Z796; Q8IZL7; A6NJW1; D3YLG5
Molecular Weight	22,764 Da
NCBI Official Full Name	Basigin
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/emmprin/45263>