



Datasheet for ABIN6720327

## CD147 ELISA Kit



[Go to Product page](#)

### 1 Image

#### Overview

Quantity:	1 kit
Target:	CD147 (BSG)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

#### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Breast Milk, Cell Culture Supernatant, Plasma (EDTA - heparin), Saliva, Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 5F7, BASI_HUMAN, Basigin, 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</p> <p>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</p>

## Product Details

---

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.

Gene Name: BSG

Production: Natural and recombinant human Emmprin. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: T25-H205

## Target Details

---

Target: CD147 (BSG)

Alternative Name: Emmprin ([BSG Products](#))

Gene ID: 682

NCBI Accession: [NP\\_001719](#)

UniProt: [P35613](#)

Pathways: [S100 Proteins](#)

## Application Details

---

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL human Emmprin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma( heparin, EDTA), saliva, urine or human milk to each empty well. It is recommended that each human Emmprin standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

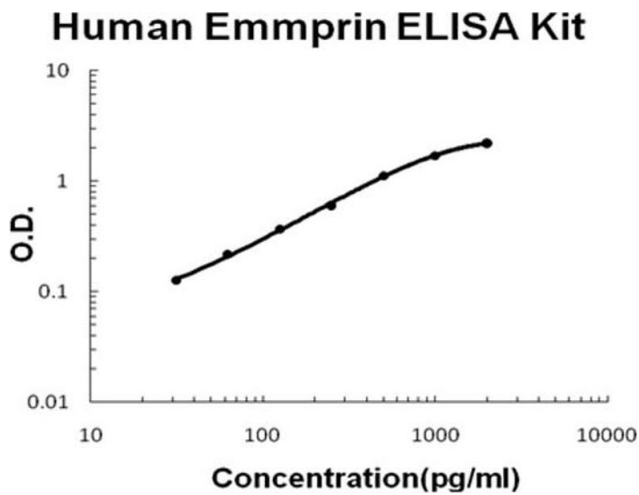
Restrictions: For Research Use only

## Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

## Images



### ELISA

**Image 1.** Human Emmprin Accusignal ELISA Kit Human Emmprin AccuSignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <2pg/ml.