

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

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CATALOG #
AAA258341

REACTIVITY
Human

PRODUCT SYNONYMS

CD147/EMMPRIN; Human CD147/EMMPRIN ELISA Kit; CD147 ELISA Kit; Human; basigin (Ok blood group); 5F7 ELISA Kit; Basigin ELISA Kit; EMMPRIN ELISA Kit; M6 ELISA Kit; OK ELISA Kit; TCSF ELISA Kit; CD147/EMMPRIN elisa kit

PRODUCT SPECIFICATIONS

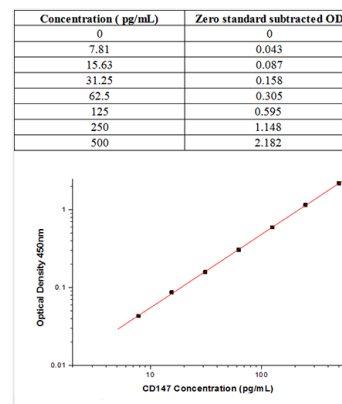
Reactivity	Human
Specificity	For the quantitative determination of Human CD147/EMMPRIN concentration in serum and urine.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum, Urine
Detection Range	7.81-500pg/mL
Sensitivity	3.45pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human			
CD44	EGFA	UPA	VEGF165
MMP1	MMP2	MMP3	MMP9

Application Data

This assay recognizes both recombinant and natural Human CD147. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. Preparations of the following factors at 50ng/mL in a mid-range recombinant human CD147 control were assayed for interference. No significant interference was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CD147/EMMPRIN elisa kit	This CD147 ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human CD147 protein in Serum, Urine. It contains recombinant Human CD147, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: CD147/EMMPRIN (Extracellular Matrix Metalloproteinase Inducer), also known as Basigin (BSG), is a transmembrane glycoprotein with different forms resulted from different modes of glycosylation and N-terminal sequence variants. It is a member of the immunoglobulin superfamily with homology to both the immunoglobulin V domain and MHC class II antigen beta-chain. This protein play important roles in variety of events including spermatogenesis, embryo implantation, neural network formation. CD147 induces the production and release of matrix metalloproteinases (MMP) in the surrounding mesenchymal cells and tumor cells, and thereby promotes invasion, metastasis, growth and survival of malignant cells. Furthermore, CD147 also serves as a receptor for extracellular cyclophilinthe and its association with integrins might be important in signal transduction. Recently, CD147 displays increased expression in many cancers, and it has been previously demonstrated to participate in cancer metastasis and progression. Thus, CD147 and its antibody are used as an effective treatment for malignant cancers.
References	Tang Y, et al. (2004) Tumor-stroma interaction: positive feedback regulation of extracellular matrix metalloproteinase inducer (EMMPRIN) expression and matrix metalloproteinase-dependent generation of soluble EMMPRIN. Mol Cancer Res. 2(2): 73-80. Wilson MC, et al. (2005) Basigin (CD147) is the target for organomercurial inhibition of monocarboxylate transporter isoforms 1 and 4: the ancillary protein for the insensitive MCT2 is EMBIGIN (gp70). J Biol Chem. 280(29): 27213-21. Curtin KD, et al. (2005) Basigin (EMMPRIN/CD147) interacts with integrin to affect cellular architecture. J Cell Sci. 118(Pt 12): 2649-60. Zhu H, et al. (2009) A novel antibody fragment targeting HAb18G/CD147 with cytotoxicity and decreased immunogenicity. Cancer Biol Ther. 8(11): 1035-44. Zhu H, et al. (2009) A novel antibody fragment targeting HAb18G/CD147 with cytotoxicity and decreased immunogenicity. Cancer Biol Ther. 8(11): 1035-44. Seizer P, et al. (2009) EMMPRIN (CD147) is a novel receptor for platelet GPVI and mediates platelet rolling via GPVI-EMMPRIN interaction. Thromb Haemost. 101(4): 682-6. Moonsom S, et al. (2010) A Competitive ELISA for Quantifying Serum CD147: Reduction of Soluble CD147 Levels in Cancer Patient Sera. Hybridoma (Larchmt). 29(1): 45-52.

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://stage.aaabiotech.com/human-elisa-kits/cd147-emmprin/258341>