

Mouse anti-Human CD147/Emmprin/Basigin Monoclonal Antibody | anti-CD147 antibody

CD147/Emmprin/Basigin (Extracellular region) M036 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71585	Mouse	Human	Immunoprecipitation, Immunocytochemistry, ELISA, Western Blot

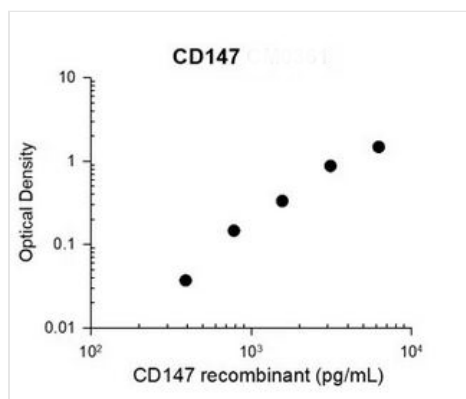
PRODUCT SYNONYMS

CD147/Emmprin/Basigin; Monoclonal Antibody; CD147/Emmprin/Basigin (Extracellular region) M036 Antibody; CD147/Emmprin/Basigin (Extracellular region); CD147 M036; anti-CD147 antibody

PRODUCT SPECIFICATIONS

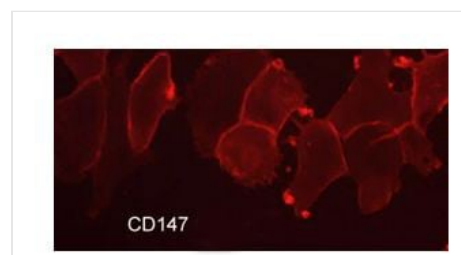
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	M036
Specificity	Clone M036 mouse monoclonal antibody detects a 38-58kDa* protein on SDS-PAGE immunoblots of human BEAS, NCIH28, NCI-H1299, LNCaP, and A431 cells, as well as human brain tissues. The antibody works for western blot, immunoprecipitation, ELISA capture, and immunocytochemistry.
Form/Format	Mouse monoclonal, protein G purified antibody is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-CD147 antibody	IP (Immunoprecipitation), ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Clone (M036) was generated from a proprietary antigen related to native human CD147 expressed in NCI-H1915 lung cancer cell line.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



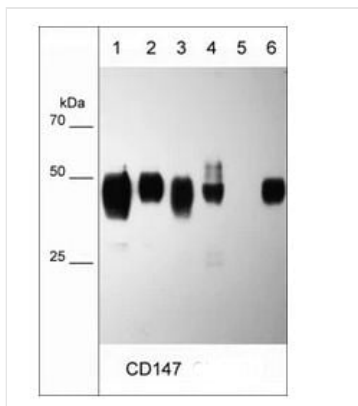
Standard Curve (Sample)

Representative Standard Curve using mouse monoclonal CD147 (CM0361) for ELISA capture of human recombinant CD147 extracellular region with a His tag. Capture was detected using anti-His tag antibody followed by appropriate secondary antibody HRP conjugate.



ICC (Immunocytochemistry)

Immunocytochemical labeling of CD147 in paraformaldehyde fixed human NCI-H1915 lung carcinoma cells. The cells were labeled with mouse monoclonal anti-CD147 (CM0361). The antibody was detected using goat anti-mouse Ig:DyLight 594.



WB (Western Blot)

Western blot of lysates from BEAS normal lung cells (lane 1), NCIH28 mesothelial cells (lane 2), NCI-H1299 lung cancer cells (lane 3), LNCaP prostate cancer cells (lane 4), MCF7 breast cancer cells (lane 5), and A431 skin adenocarcinoma (lane 6). The blot was probed with mouse monoclonal anti-CD147 (CM0361) at 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-CD147 antibody	CD147 (Basigin/EMMPRIN) is a type I integral membrane receptor protein belonging to the immunoglobulin superfamily. CD147 is a glycosylated protein with four known isoforms with isoform 2 being the most abundantly expressed. In many cancers, CD147 is overexpressed and stimulates the secretion of extracellular matrix metalloproteinases by tumor fibroblasts, which can promote tumor progression. CD147 is co-expressed with the amino acid transporter, CD98h, in metabolically active cells such as lymphocytes, macrophages, and tumor cells. CD147 interaction with caveolin and cyclophilins regulates its functions, and this protein may function outside of tumor cells through cell shedding and microvesicle release.
References	Miyauchi T. et al. (1990) J Biochem. 107(2):316. Biswas, C. et al. (1995) Cancer Res. 55:434. Xiong L. et al. (2014) Int J Mol Sci. 15(10):17411.

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd147-emmprin-basigin-antibody-clone-m036-immunoprecipitation-immunocytochemistry-western-blot-elisa/71585>