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PRODUCT DATASHEET

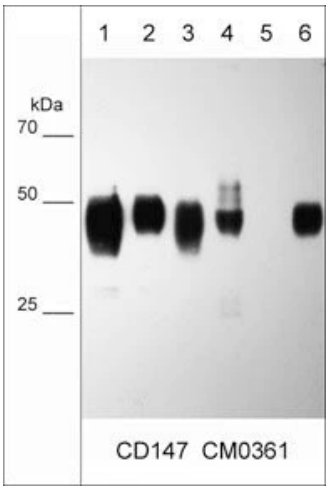
Anti-CD147/Emmprin/Basigin (Extracellular region) Antibody

Product Details

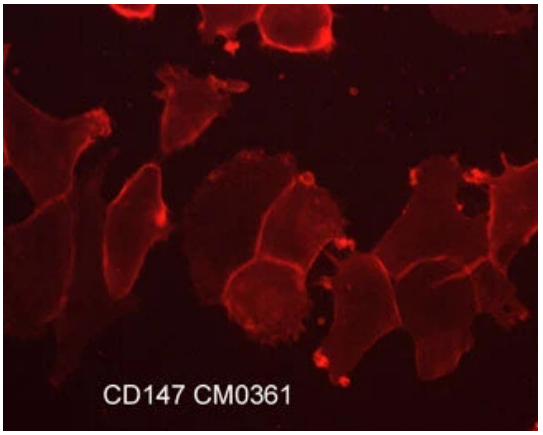
Available Variants	100 µL (SKU:CM0361)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	M036
Gene Name	CD147
Host Species	Mouse
Format	Protein G Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, IP, WB
Dilution Ranges	WB: 1:2000 ICC: 1:100 IP: 1:100
Species Reactivity	Human
Immunogen	Clone (M036) was generated from a proprietary antigen related to the native human CD147 expressed in NCI-H1915 lung cancer cell line.
Specificity	Clone M036 mouse monoclonal antibody detects a 38-58 kDa* 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.
Molecular Weight	38-58
Quality Control	Western blots performed on each lot.

Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P35613 UniProt Summary: [Isoform 1]: Essential for normal retinal maturation and development. Acts as a retinal cell surface receptor for NXNL1 and plays an important role in NXNL1-mediated survival of retinal cone photoreceptors. In association with glucose transporter SLC16A1/GLUT1 and NXNL1, promotes retinal cone survival by enhancing aerobic glycolysis and accelerating the entry of glucose into photoreceptors. May act as a potent stimulator of IL6 secretion in multiple cell lines that include monocytes.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	682

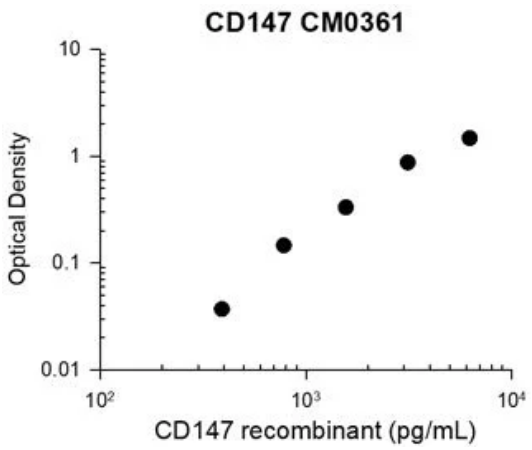
Product Images



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.



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.



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.