

Basigin (CD147) Antibody (PerCP)

Catalogue No.: abx200505

Reacts with basigin or neurothelin, a transmembrane glycoprotein (50-60kd) of the immunoglobulin super-gene family. Neurothelin is a blood brain barrier-specific molecule. It bears homology with mouse gp42 or basigin, human M6 or EmMprin, rat OX-47 or CE-9, and avian HT7 or 5A11. Neurothelin is a molecule which is broadly expressed on cells of hematopoietic and non-hematopoietic origin. Its expression on specific cell types may be regulated by cytokines. CD147 plays a role in embryonal blood-brain barrier development and a role in integrin-mediated adhesion in brain endothelia. Binds to epitope 1 of CD147.

Target: CD147**Reactivity:** Human**Host:** Mouse**Clonality:** Monoclonal**Tested Applications:** FCM**Recommended dilutions:** FCM: 20 µl/1 million cells. Optimal dilutions/concentrations should be determined by the end user.**Immunogen:** Activated HUVEC cells.**Purification:** Affinity Chromatography**Form:** Liquid**Isotype:** IgG₁**Conjugation:** PerCP**Specificity:** CD147 is a single chain type I transmembrane molecule of 269 amino acids (Miyachi et al. 1991, Kasinrerker et al. 1992, Biswas et al. 1995): 18 amino acids as secretory signal peptide, 187 residue long extracellular region consists of two Ig-like domains of the C2-type, 24 amino acids of transmembrane region and cytoplasmic region has 40 residues.**Storage:** Store in the dark at 2-8 °C.**Molecular Weight:** 50-65 kDa**Swiss Prot:** [P35613](#)**GeneID:** [682](#)

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Buffer: The reagent is provided in aqueous buffered solution containing protein stabilizer, and $\leq 0.09\%$ sodium Azide

Note: This product is for research use only.