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30-1912: Anti-CD148 Monoclonal Antibody (Clone:MEM-CD148/05)-Biotin Conjugated

Clonality :	Monoclonal
Clone Name :	MEM-CD148/05
Application :	FACS
Reactivity :	Human
Conjugate :	Biotin
Gene :	PTPRJ
Gene ID :	5795
Uniprot ID :	Q12913
Alternative Name :	PTPRJ,DEP1
Isotype :	Mouse IgG2b
Immunogen Information :	Human recombinant CD148 (amino acids 1-444)

Description

CD148 (also known as HPTP-eta or DEP-1) is a transmembrane protein tyrosin phosphatase containing eight fibronectin type III extracellular domains. This protein is known to inhibit transduction of mitogenic signals in non-hematopoietic cells (fibroblasts, epithelial cells), and signal transduction downstream of T cell receptor, however, it also augments immunoreceptor signaling in B cells and macrophages via dephosphorylating C-terminal tyrosine of Src-family tyrosine kinases. CD148 expression increases after in vitro activation of peripheral blood leucocytes. It can be also used as marker of the most mature human thymocytes, and leukemic cells corresponding to this stadium of thymocyte differentiation. In contrast, in mice the CD148 expression sharply drops through the double positive stage to the single positive thymocytes.

Product Info

Amount :	0.1 mg
Storage condition :	Store at 2-8°C. Do not freeze.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.