

Mouse anti-Human CD148 Monoclonal Antibody | anti-CD148 antibody

Anti-Hu CD148 APC

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128869	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD148; Monoclonal Antibody; Anti-Hu CD148 APC; protein tyrosine phosphatase receptor type J; HPTP-eta; DEP-1; PTPRJ; DEP1; SCC1; HPTPeta; R-PTP-ETA; anti-CD148 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	MEM-CD148/05
Specificity	The mouse monoclonal antibody MEM-CD148/05 recognizes an extracellular epitope of CD148, a highly glycosylated up to 250 kDa receptor-like protein tyrosin phosphatase expressed mainly in lymphocytes, myeloid cells and epithelial cells.
Purity/Purification	The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	539
Applicable Applications for anti-CD148 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human recombinant CD148 (amino acids 1-444)
Conjugation	APC
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD148 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	39645413
NCBI GeneID	5795

UniProt Accession #	Q12913
NCBI Official Full Name	PTPRJ protein
NCBI Official Synonym Full Names	protein tyrosine phosphatase receptor type J
NCBI Official Symbol	PTPRJ
NCBI Official Synonym Symbols	DEP1; SCC1; CD148; HPTPeta; R-PTP-ETA
NCBI Protein Information	receptor-type tyrosine-protein phosphatase eta
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase eta
UniProt Gene Name	PTPRJ
UniProt Synonym Gene Names	DEP1; Protein-tyrosine phosphatase eta; R-PTP-eta; DEP-1; R-PTP-J

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/cd148-antibody-clone-mem-cd148-05-flow-cytometry-elisa/128869>