

Mouse anti-Human CD148 Monoclonal Antibody

CD148 (Receptor-type Tyrosine-protein Phosphatase eta, Protein-tyrosine Phosphatase eta, R-PTP-eta, Density-enhanced Phosphatase 1, DEP-1, HPTP eta, Protein-tyrosine Phosphatase Receptor Type J, R-PTP-J, PTPRJ, DEP1)

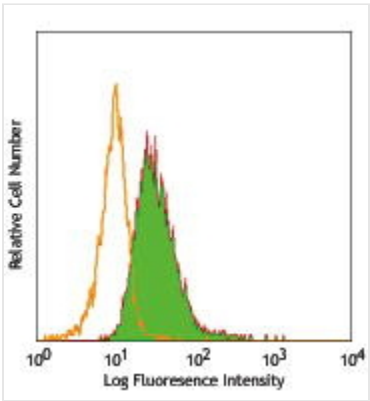
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA14803	Mouse	Human	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD148; Monoclonal Antibody; CD148 (Receptor-type Tyrosine-protein Phosphatase eta; Protein-tyrosine Phosphatase eta; R-PTP-eta; Density-enhanced Phosphatase 1; DEP-1; HPTP eta; Protein-tyrosine Phosphatase Receptor Type J; R-PTP-J; PTPRJ; DEP1); Anti -CD148 (Receptor-type Tyrosine-protein Phosphatase eta; anti-CD148 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	A3
Specificity	Recognizes human CD148.
Purity/Purification	Purified by affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-CD148 antibody	FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: $\leq 1\mu\text{g}/10^6$ cells in 100ul volume or whole blood Optimal dilutions to be determined by the researcher.
Immunogen	PHA-stimulated human PBMC
Grade	Affinity Purified
Preparation and Storage	May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



Application Data
Flow Cytometry analysis of human peripheral blood granulocytes using AAA14803, followed by anti-mouse IgG FITC.

ADDITIONAL INFORMATION

Related Product Information for anti-CD148 antibody	CD148, a receptor-like protein tyrosine phosphatase also known as human protein tyrosine phosphatase-eta (HPTP-eta) or density-enhanced protein tyrosine phosphatase-1 (DEP-1), is involved in signal transduction in leukocytes and is thought to contribute to mechanisms of cellular differentiation. In lymphoid organs, CD148 was found to be widely expressed on B and T cells, granulocytes, macrophages, certain dendritic cells as well as mature thymocytes. The cellular level of CD148 was increased after in vitro activation of peripheral blood leukocytes. CD148 as a leukocyte activation marker and may be involved in the regulation of T cell activation. Leukocytes expressing CD148 are significantly upregulated in inflamed tissues and that a subset of these cells co-expresses the activation marker CD25. In non-lymphoid tissues, CD148 was found to be present on many epithelial cell types with glandular and/or endocrine differentiation as well as on fibrocytes, melanocytes and Schwann cells. Among non-hematopoietic cells, CD148 is expressed by characteristic types of epithelial and non-epithelial cells. Downregulation of CD148 might promote dedifferentiation and autonomous growth of such cells in malignant tumors.
Product Categories/Family for anti-CD148 antibody	Antibodies; Abs to CD Markers

NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q12913
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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-a3-flow-cytometry-elisa/14803>