



PRODUCT DATA SHEET

Bioworld Technology, Inc.

CD172a Rat mAb

Catalog: BS36147

Host: Rat

Reactivity: Mouse

BackGround:

Tyrosine-protein phosphatase non-receptor type substrate 1: Immunoglobulin-like cell surface receptor for CD47 . Acts as a docking protein and induces translocation of PTPN6, PTPN11 and other binding partners from the cytosol to the plasma membrane. Supports adhesion of cerebellar neurons, neurite outgrowth and glial cell attachment. May play a key role in intracellular signaling during synaptogenesis and in synaptic function. Involved in the negative regulation of receptor tyrosine kinase-coupled cellular responses induced by cell adhesion, growth factors or insulin. Mediates negative regulation of phagocytosis, mast cell activation and dendritic cell activation. CD47 binding prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells (By similarity). Plays a role in antiviral immunity and limits new world arenavirus infection by decreasing virus internalization . Receptor for THBS1 (By similarity).

Product:

Rat IgG1 kappa. 1mg/ml in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~56.4 kDa

Swiss-Prot:

Purification&Purity:

The antibody was purified by affinity chromatography.

Applications:

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes mouse CD172a

DATA:

Western blot analysis of PKC alpha (Phospho-T638) expression in K562 (A), Hela (B), Jurkat (C), mouse kidney (D), mouse muscle (E) whole cell lysates.

Immunohistochemical analysis of PKC alpha (Phospho-T638) staining in human ovarian formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. Tyramide-AF488 (green) was used as the chromogen. The section was then counterstained with DAPI (blue).

Note:

For research use only, not for use in diagnostic procedure.

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