

**CD278 Rat mAb**

Catalog: BS36130

Host: Rat

Reactivity: Mouse

BackGround:

Inducible T-cell costimulator: Stimulatory receptor expressed in activated or antigen-experienced T-cells that plays an important role in the immune response. Upon binding to its ligand ICOSL expressed on antigen presenting cells (APCs), delivers costimulatory signals that enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines including IL10, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. Also acts as a costimulatory receptor critical for the differentiation of T follicular regulatory cells upon immune challenges such as viral infection. Mechanistically, potentiates TCR-induced calcium flux by augmenting PLCG1 activation and actin remodeling. In addition, activates PI3K signaling pathways independently of calcium flux. Essential both for efficient interaction between T and B-cells and for nor...

Product:

Rat IgG2b kappa. 1mg/ml in PBS, pH 7.3, and 0.02% sodium azide.

Molecular Weight:

~22.7 kDa

Swiss-Prot:**Purification&Purity:**

The antibody was purified by affinity chromatography.

Applications:

IF/ICC (1/50 - 1/200), FC (1/500 - 1/2000)

Storage&Stability:

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

Specificity:

Recognizes mouse CD278

DATA:

Western blot analysis of CD36 expression in LO2 (A), mouse liver (B) whole cell lysates.

Immunohistochemical analysis of CD36 staining in human hepatocellular 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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