Anti-CS1 Biotinylated Recombinant Rabbit Monoclonal Antibody

Product Information

Product SKU:
HDAB0189

Size:
100 µg

Isotype:
Rabbit IgG

Host:
Rabbit

Clonality:
Monoclonal

Clone:
DM10

Category:
Recombinant Antibody

Reactivity:
Human

Synonyms:
SLAM7 (19A, CD319, CRACC, CS1)

Formulation:
Powder

Purification Method:
Purified from cell culture supernatant by affinity chromatography

Buffer:
1XPBS

Storage and Stability:
Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).Lyophilized antibodies are shipped at ambient temperature.

Applications
ELISA, Flow Cyt

Recommended Dilutions:
Flow Cyt 1:100

Background:
Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2. Isoform 1 mediates NK cell activation through a SH2D1A-independent extracellular signal-regulated ERK-mediated pathway (PubMed:11698418). Positively regulates NK cell functions by a mechanism dependent on phosphorylated SH2D1B. Downstream signaling implicates PLCG1, PLCG2 and PI3K (PubMed:16339536). In addition to heterotypic NK cells-target cells interactions also homotypic interactions between NK cells may contribute to activation. However, in the absence of SH2D1B, inhibits NK cell function. Acts also inhibitory in T-cells (By similarity). May play a role in lymphocyte adhesion (PubMed:11802771). In LPS-activated monocytes negatively regulates production of proinflammatory cytokines (PubMed:23695528).

Research Use Only:
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