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32-13106: CD40 Mouse

Alternative Name : Tumor necrosis factor receptor superfamily member 5, B-cell surface antigen CD40, Bp50, CD40L receptor, CD40.

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
CD40 belongs to the TNF-receptor super family. CD40 has been found to be vital in mediating a wide range of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. AT-hook transcription factor AKNA is accounted to coordinately regulate the expression of CD40 and its ligand, which is significant for homotypic cell interactions. Adaptor protein TNFR2 interacts with CD40 and functions as a mediator of the signal transduction. The interaction of CD40 and its ligand is found to be essential for amyloid-beta-induced microglial activation, and therefore is considered to be an early event in Alzheimer disease pathogenesis.
CD40 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 180 amino acids (20-193 a.a.) and having a molecular mass of 20.1kDa (Migrates at 18-28kDa on SDS-PAGE under reducing conditions).

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	CD40 protein solution (1.0mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	LGQCVTCSDK QYLHDGQCCD LCQPGSRLTS HCTALEKTQC HPCDSGEFSA QWNREIRCHQ HRHCEPNQGL RVKKEGTAES DTVCTCKEGQ HCTSKDCEAC AQHTPCIPGF GVMEMATETT DTVCHPCPVG FFSNQSSLFE KCYPWTSCED KNLEVLQKGT SQTNVICGLK SRMRHHHHHH.

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