32-13090: CD47 Human

Alternative Name :	CD47 Molecule, Antigenic Surface Determinant Protein OA3, CD47 Antigen (Rh-Related Antigen, Integrin-Associated Signal Transducer), Antigen Identified By Monoclonal Antibody 1D8, Integrin Associated Protein, Integrin-Associated Protein, Rh-Related Antigen, CD47 Glycoprotein, MER6, IAP, Integrin-Associated Signal Transducer, Leukocyte Surface Antigen CD47, CD47 Antigen, Protein MER6, OA3, CD47.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

CD47, functions in cell adhesions by performing as an adhesion receptor for THBS1 on platelets, furthermore CD47 plays a role in the modulation of integrins. In addition, CD47 takes a vital part in memory formation as well as synaptic plasticity in the hippocampus. Receptor for SIRPA avoids maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 prevents premature elimination of red blood cells, and it is also implicated in membrane permeability changes induced following virus infection.Â

CD47 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (19-141 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 129 amino acids and having a molecular mass of 14.7kDa.CD47 shows multiple bands between 18-28kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 μg / 10 μg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	CD47 protein solution (1mg/ml) contains Phosphate buffered saline (pH7.4) 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 :	QLLFNKTKSV EFTFCNDTVV IPCFVTNMEA QNTTEVYVKW KFKGRDIYTF DGALNKSTVP TDFSSAKIEV SQLLKGDASL KMDKSDAVSH TGNYTCEVTE LTREGETIIE LKYRVVSWFS PNEHHHHHH.