9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CD47 Human, IgG-His

CD47 Human Recombinant, IgG-His Tag
CDA0084

Product Overview

Name	CD47 Human, IgG-His

Description

CD47 Human Recombinant, IgG-His Tag

Accession (Primary)	Q08722

Synonyms

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.

Introduction

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.

Source

Sf9, Insect cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

CD47 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Stability

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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

QLLFNKTKSV EFTFCNDTVV IPCFVTNMEA QNTTEVYVKW KFKGRDIYTF DGALNKSTVP TDFSSAKIEV

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SQLLKGDASL KMDKSDAVSH TGNYTCEVTE LTREGETIIE LKYRVVSWFS PNE LEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH .

Biological Activity

Determined by the binding ability in functional ELISA with Human SIRP alpha/CD172a (cat# pro-2080). The ED50 range ≤ 100 ng/ml.

Precautions

CD47 Human, IgG-His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q08722)