
Product Data Sheet

Product Name: CD47 Human, IgG-His

Cat. No.: GP23026

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms CD47Molecule; Antigenic Surface Determinant Protein OA3; CD47 Antigen (Rh-RelatedAntigen; Integrin-Associated Signal Transducer); Antigen Identified byMonoclonal; Antibody 1D8; Integrin Associated Protein; Integrin-AssociatedProtein; Rh-Related; Antigen; CD47 Glycoprotein; MER6; IAP; Integrin-AssociatedSignal Transducer; Leukocyte Surface Antigen CD47; CD47 Antigen; Protein MER6; OA3.

Amino Acid Sequence QLLFNKTKSVEFTFCNDTVV IPCFVTNMEA QNTTEVYVKW KFKGRDIYTF DGALNKSTVP TDFSSAKIEV SQLLKGDA SLKMDKSDAVSH TGNYTCEVTE LTREGETIIE LKYRVVSWFS PNELEPKSCD KTHTCPPCPA PELLGGPSVFLFPPKPKDTL MISRTPEVTC VVVDVSHEDPEVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKCKVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQGPENNYKTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH.

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

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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.

Background

CD47 Human Recombinant produced in Sf9 Insect cell is a single, non-glycosylated polypeptide chain containing 362 amino acids (19-141aa.a) and having a molecular mass of 40.9kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions). CD47 is fused to a 239 amino acid IgG-His-tag at C-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA