

Leukocyte surface antigen CD47, 19-141aa, Human, His tag, Insect cell

Cat.NO.: TP02805

3th Edition

Synonyms:CD47, OA3, IAP, MER6

Description:CD47, also known as leukocyte surface antigen CD47 isoform 1, has a role in both cell adhesions by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It plays an important role in memory formation and synaptic plasticity in the hippocampus. Receptor for SIRPA prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Recombinant human CD47, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:14.7kDa (129aa) 18-28KDa (SDS-PAGE under reducing conditions.)

Sequences:

QLLFNKTKSVEFTFCNDTVVIPCFVTNMEAQNTTEVYVKWKFKGRDIYTFDGALNKSTVPTDFSSAKIEVSQLLKGD
ASLKMDKSDAVSHTGNYTCEVTELTREGETIIEELKYRVVSWFSPNEHHHHHH

Purity:> 95% by HPLC

Concentration:1.0mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.