
Platelet glycoprotein 4, 30-439aa, Mouse, His tag, Insect cell

Cat.NO.: TP03429

3th Edition

Synonyms: Cd36, CD36 antigen, FAT, GPIV, Scarb3

Description: CD36, also known as platelet glycoprotein 4, is an integral membrane glycoprotein that has multiple physiological functions. It is broadly expressed on a variety of cell types. As a member of the scavenger receptor family, CD36 is a multiligand pattern recognition receptor that interacts with a large number of structurally dissimilar ligands. It plays a role in lipid metabolism and has been identified as a fatty acid translocase necessary for the binding and transport of LCFA in cells and tissues. It also plays a significant role in the initiation and pathogenesis of chronic inflammatory diseases such as Alzheimer's disease and atherosclerosis.

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

Molecular Weight: 47.4kDa (419aa) 57-70kDa (SDS-PAGE under reducing conditions)

Sequences:

ADPGDMLIEKTIKREVVLEEGTTAFKNWVKTGTTVYRQFWIFDVQNPDDVAKNSSKIKVKQRGPYTYRVRYLAKENI
TQDPEDHTVSFVQPNGAIFEPSLSVGTEDDNFTVLNLAVAAAPHIYQNSFVQVVLNSLIKKSKSSMFQTRSLKELLW
GYKDPFLSLVPYPISTTVGVFYPYNDTVDGVYKVFNGKDNISKVAIIESYKGRNLSYWPSYCDMINGTDAASFPPF
VEKSRTLRFSSDICRSIYAVFGSEIDLKIPVYRFVLPANAFASPLQNPDNHCFCTEKVISNNCTSYGVLDIGKCKEG
KPVYISLPHFLHASPVDSEPIEGLHPNEDEHRTYLDVEPITGFTLQFAKRLQVNILVKPARKIEALKNLKRPYIVPILWL
NETGTIGDEKAEMFKTQVTGKIKHHHHHH

Purity: > 95% by HPLC

Concentration: 1 mg/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.