

Product Information

MemDX™ Membrane Protein Human CD6 (CD6 molecule) Expressed in NS0 for Antibody

Discovery, Partial (18-398aa)

Cat. No.: **MPX0767K**

This product is for research use only and is not intended for diagnostic use.

This product is a 68.2 kDa Human CD6 membrane protein expressed in NS0. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD6

Protein Length

Partial (18-398aa)

Protein Class

Immunity

Molecular Weight

68.2 kDa

TMD

1

Sequence

HPSPAPPDQLNTSSAESELWEPGERLPVRLTNG
SSSCSGTVEVRLEASWEPACGALWDSRAAEAVCRALGCGGAEAAASQLAPP
TPELPPPPAAGNTSVAANATLAGAPALLCSGAEWRLCEVVEHACRSDGRR
ARVTCAENRALRLVDGGGACAGRVEMLEHGEWGSVCDDTDLEDAAHVVCR
QLGCGWAVQALPGLHFTPGRGPIHRDQVNCSGAEAYLWDCPGLPGQHYCG
HKEDAGVVCSEHQSWRLTGGADRCEGQVEVHFRGVWNTVCDSEWYPSEAK
VLCQSLGCGTAVERPGLPHSLSGRMYYSNCGEELTNSNCSWRFNNSNLC
SQSLAARVLCASASRLHNLSTPEVPASVQTVTIESSVTVKIENKESRE

Product Description

Activity

Yes

Expression Systems

NS0

Tag

hIgG1 Fc and 6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

Endotoxin

<0.10 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.

Buffer

Lyophilized from a 0.2 µm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CD6

Full Name

CD6 molecule

Introduction

This gene encodes a protein found on the outer membrane of T-lymphocytes as well as some other immune cells. The encoded protein contains three scavenger receptor cysteine-rich (SRCR) domains and a binding site for an activated leukocyte cell adhesion molecule. The gene product is important for continuation of T cell activation. This gene may be associated with susceptibility to multiple sclerosis (PMID: 19525953, 21849685). Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

CD6; TP120; T-cell differentiation antigen CD6; CD6 antigen; T12; CD6 molecule

Gene ID

[923](#)

UniProt ID

[Q8WWJ7](#)