

# 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](#)