

# Product Information

## MemDX™ Membrane Protein Human CD5 (CD5 molecule) Expressed in NS0 for Antibody

### Discovery, Partial (25-371aa)

Cat. No.: **MPX0439K**

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

This product is a 39.9 kDa Human CD5 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

CD5

#### Protein Length

Partial (25-371aa)

#### Protein Class

Receptor

#### Molecular Weight

39.9 kDa

#### TMD

1

#### Sequence

RLSWYDPDFQARLTRSNSKCQGQLEV  
YKLDGWHMVCSQSWGRSSKQWEDPSQASKVCQRLNCGVPLSLGPFLVTYT  
PQSSIICYGQLGSFSNCSHSRNDMCHSLGLTCLEPQKTPPTTRPPPTTT  
PEPTAPPRLQLVAQSGGQHCAGVVEFYSGSLGGTISYEAQDKTQDLENFL  
CNNLQCGSFLKHLPETEAGRAQDPGEPREHQPLPIQWKIQNSSCTSLEHC  
FRKIKPQKSGRVLALLCSGFQPKVQSRLVGGSSICEGTVEVRQGAQWAAL  
CDSSSARSSLRWEEVCREQQCGSVNSYRVLDAGDPTSRGLFCPHQKLSQC  
HELVERNYSYCKKVFVTCQDPN

### Product Description

#### Activity

Yes

#### Expression Systems

NS0

**Tag**

10xHis tag at the C-terminus

**Protein Format**

Soluble

**Form**

LYOPH

**Reconstitution**

Reconstitute at 100 µg/mL in PBS.

**Endotoxin**

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

**Purity**

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

**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**

CD5

**Full Name**

CD5 molecule

**Introduction**

This gene encodes a member of the scavenger receptor cysteine-rich (SRCR) superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes, T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation. Alternative splicing results in multiple transcript variants encoding different isoforms.

**Alternative Names**

CD5; T1; LEU1; T-cell surface glycoprotein CD5; CD5 antigen (p56-62); epididymis secretory sperm binding protein; lymphocyte antigen T1/Leu-1; CD5 molecule

**Gene ID**

[921](#)

**UniProt ID**

[P06127](#)