

## Product Information

### **MemDX™ Antibody Discovery - Human CD24 (27-59) Membrane Protein, Partial, -hIgG1 Fc tag**

Cat. No.: **MP1202F**

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

This membrane protein is Human CD24 (27-59). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

#### Product Specifications

##### **Host Species**

Human

##### **Target Protein**

CD24

##### **Protein Length**

ECD

##### **Molecular Weight**

The protein has a calculated MW of 29.6 kDa. The protein migrates as 40-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

##### **Sequence**

AA Ser 27 - Gly 59 (Accession # P25063-1).

#### Product Description

##### **Activity**

Yes

##### **Application**

SDS-PAGE, ELISA

##### **Expression Systems**

HEK293

##### **Tag**

Human IgG1 Fc tag at the C-terminus

##### **Protein Format**

Soluble

##### **Form**

LYOPH

### Reconstitution

Please see Certificate of Analysis for specific instructions.

### Endotoxin

<1.0 EU/μg by the LAL method

### Purity

>95% as determined by SDS-PAGE.

### Buffer

Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

### Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

## Target

### Target Protein

CD24

### Full Name

CD24 molecule

### Introduction

This gene encodes a sialoglycoprotein that is expressed on mature granulocytes and B cells and modulates growth and differentiation signals to these cells. The precursor protein is cleaved to a short 32 amino acid mature peptide which is anchored via a glycosyl phosphatidylinositol (GPI) link to the cell surface. This gene was missing from previous genome assemblies, but is properly located on chromosome 6. Non-transcribed pseudogenes have been designated on chromosomes 1, 15, 20, and Y. Alternative splicing results in multiple transcript variants.

### Alternative Names

CD24, CD24 molecule, CD24 antigen (small cell lung carcinoma cluster 4 antigen), signal transducer CD24, CD24A, FLJ22950, FLJ43543, MGC75043,

### Gene ID

[100133941](#)

### UniProt ID

[P25063](#)