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# Product Information

## MemDX™ Antibody Discovery - Human LILRB5 / CD85c / LIR-8 (24-458) Membrane Protein, Partial, -hIgG1 Fc -Avi tag, [Biotin]

Cat. No.: **MP0625F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human LILRB5 / CD85c / LIR-8 (24-458). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

## Product Specifications

**Host Species**
Human

**Target Protein**
LILRB5 / CD85c / LIR-8

**Protein Length**
ECD

**Molecular Weight**
The protein has a calculated MW of 75.8 kDa. The protein migrates as 90-105 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Sequence**
AA Gly 24 - Gly 458 (Accession # O75023-1).

## Product Description

**Application**
SDS-PAGE

**Expression Systems**
HEK293

**Tag**
Human IgG1 Fc tag at the C-terminus, followed by a Avi tag

**Protein Format**
Soluble

**Form**
LYOPH

**Reconstitution**

See Certificate of Analysis for details of reconstitution instruction and specific concentration.

**Endotoxin**

<1.0 EU/μg by the LAL method

**Conjugation**

Biotin

**Purity**

>95% as determined by SDS-PAGE.

**Buffer**

Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.

**Storage**

Upon receipt, please store the Beads at -20°C. The shelf life is 1 year at -20 °C. Do not to freeze thaw the Beads after reconstitution.

## Target

**Target Protein**

LILRB5 / CD85c / LIR-8

**Full Name**

leukocyte immunoglobulin like receptor B5

**Introduction**

This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). Several other LIR subfamily B receptors are expressed on immune cells where they bind to MHC class I molecules on antigen-presenting cells and inhibit stimulation of an immune response. Multiple transcript variants encoding different isoforms have been found for this gene.

**Alternative Names**

LIR8; CD85C; LIR-8; leukocyte immunoglobulin-like receptor subfamily B member 5; CD85 antigen-like family member C; leucocyte Ig-like receptor B5; leukocyte immunoglobulin-like receptor 8; leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5

**Gene ID**

10990

**UniProt ID**

O75023

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