SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

# Product Information

## MemDX™ Antibody Discovery - Human LAIR1 / CD305 (22-163) Membrane Protein, Partial, -His -Avi tag, [Biotin]

Cat. No.: **MP0594F**
This product is for research use only and is not intended for diagnostic use.

This membrane protein is Human LAIR1 / CD305 (22-163). 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**
LAIR1 / CD305

**Protein Length**
ECD

**Molecular Weight**
The protein has a calculated MW of 19.2 kDa. The protein migrates as 30-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Sequence**
AA Gln 22 - His 163 (Accession # Q6GTX8-1).

## Product Description

**Application**
SDS-PAGE

**Expression Systems**
HEK293

**Tag**
His tag at the C-terminus, followed by an Avi tag.

**Protein Format**
Soluble

**Form**
LYOPH

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

**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 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 coditions after reconstitution after storage at -80°C.

## Target

**Target Protein**

LAIR1 / CD305

**Full Name**

leukocyte associated immunoglobulin like receptor 1

**Introduction**

The protein encoded by this gene is an inhibitory receptor found on peripheral mononuclear cells, including natural killer cells, T cells, and B cells. Inhibitory receptors regulate the immune response to prevent lysis of cells recognized as self. The gene is a member of both the immunoglobulin superfamily and the leukocyte-associated inhibitory receptor family. The gene maps to a region of 19q13.4 called the leukocyte receptor cluster, which contains at least 29 genes encoding leukocyte-expressed receptors of the immunoglobulin superfamily. The encoded protein has been identified as an anchor for tyrosine phosphatase SHP-1, and may induce cell death in myeloid leukemias. Alternative splicing results in multiple transcript variants.

**Alternative Names**

CD305; LAIR-1; leukocyte-associated immunoglobulin-like receptor 1; immunoglobulin heavy chain variable region; leukocyte-associated Ig-like receptor 1

**Gene ID**

3903

**UniProt ID**

Q6GTX8