

Product Information

MemDX™ Membrane Protein Human ULBP1 (UL16 binding protein 1) for Antibody

Discovery

Cat. No.: **MP1466X**

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

This product is a 54.4 kDa Human ULBP1 membrane protein expressed in *In vitro* wheat germ expression system. 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

ULBP1

Protein Length

Full-length

Molecular Weight

54.4 kDa

Sequence

MAAAASPAFLCLPLHLLSGWSRAGWVDTHCLCYDFIITPKSRPEPQWCEVQGLVDERPFLHYDCVNHKAKAFASLGKKVNVTKT

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Protein Format

Liposome

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

ULBP1

Full Name

UL16 binding protein 1

Introduction

The protein encoded by this gene is a ligand of natural killer group 2, member D (NKG2D), an immune system-activating receptor on NK cells and T-cells. Binding of the encoded ligand to NKG2D leads to activation of several signal transduction pathways, including those of JAK2, STAT5, ERK and PI3K kinase/Akt. Also, in cytomegalovirus-infected cells, this ligand binds the UL16 glycoprotein and is prevented from activating the immune system. Three transcript variants encoding different isoforms have been found for this gene.

Alternative Names

N2DL-1; RAET1I; NKG2DL1; UL16-binding protein 1; NKG2D ligand 1; alcan-beta; retinoic acid early transcript 1I

Gene ID

[80329](#)

UniProt ID

[Q9BZM6](#)