

Product Information

MemDX™ Membrane Protein Human CD151 (CD151 molecule (Raph blood group))

Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2307K**

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

This product is a Human CD151 membrane protein expressed *in vitro* *E.coli* 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

CD151

Protein Length

Full Length

Protein Class

Receptor

TMD

4

Sequence

MGEFNEKKTTTCGTVCLKYLLFTYNCCFWLAGLAVMAVGIIWTLALKSDYISLLASGYLATAYILVVAGTVVMVTGVLGCCATFKERR

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

CD151

Full Name

CD151 molecule (Raph blood group)

Introduction

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It is involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. This protein enhances cell motility, invasion and metastasis of cancer cells. Multiple alternatively spliced transcript variants that encode the same protein have been described for this gene.

Alternative Names

CD151; GP27; MER2; RAPH; SFA1; PETA-3; TSPAN24; CD151 antigen; CD151 antigen (Raph blood group); hemidesmosomal tetraspanin CD151; membrane glycoprotein SFA-1; platelet surface glycoprotein gp27; platelet-endothelial cell tetraspan antigen 3; platelet-endothelial tetraspan antigen 3; tetraspanin-24; tspan-24; CD151 molecule (Raph blood group)

Gene ID

[977](#)

UniProt ID

[P48509](#)