

Product Information

MemDX™ Antibody Discovery - Human TROP-2 / TACSTD2 (27-274) Membrane Protein, Partial, -His -Avi tag, [Biotin]

Cat. No.: **MP0430F**

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

This membrane protein is Human TROP-2 / TACSTD2 (27-274). 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

TROP-2 / TACSTD2

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 31.6 kDa. The protein migrates as 42-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA His 27 - Thr 274 (Accession # P09758-1).

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

>90% 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

TROP-2 / TACSTD2

Full Name

tumor associated calcium signal transducer 2

Introduction

This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.

Alternative Names

EGP1; GP50; M1S1; EGP-1; TROP2; GA7331; GA733-1; tumor-associated calcium signal transducer 2; 40kD glycoprotein, identified by monoclonal antibody GA733; cell surface glycoprotein TROP2; cell surface glycoprotein Trop-2; epithelial glycoprotein-1; gastrointestinal tumor-associated antigen GA7331; membrane component, chromosome 1, surface marker 1; pancreatic carcinoma marker protein GA733-1; pancreatic carcinoma marker protein GA7331; trophoblast cell surface antigen 2; truncated TACSTD2

Gene ID

[4070](#)

UniProt ID

[P09758](#)