

# Product Information

## MemDX™ Antibody Discovery - Human GPA33 (22-235) Membrane Protein, Partial, -His tag

Cat. No.: **MP0190F**

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

This membrane protein is Human GPA33 (22-235). It has been tested in SDS-PAGE, ELISA. We provide this protein to facilitate your membrane protein antibody discovery and development.

### Product Specifications

#### Host Species

Human

#### Target Protein

GPA33

#### Protein Length

ECD

#### Molecular Weight

The protein has a calculated MW of 24.4 kDa. The protein migrates as 33-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

#### Sequence

AA Ile 22 - Val 235 (Accession # AAH74830).

### Product Description

#### Activity

Yes

#### Application

SDS-PAGE, ELISA

#### Expression Systems

HEK293

#### Tag

His tag at the C-terminus

#### Protein Format

Soluble

#### Form

LYOPH

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

**Endotoxin**

<1.0 EU/μg by the LAL method

**Purity**

>96% 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**

GPA33

**Full Name**

glycoprotein A33

**Introduction**

The glycoprotein encoded by this gene is a cell surface antigen that is expressed in greater than 95% of human colon cancers. The open reading frame encodes a 319-amino acid polypeptide having a putative secretory signal sequence and 3 potential glycosylation sites. The predicted mature protein has a 213-amino acid extracellular region, a single transmembrane domain, and a 62-amino acid intracellular tail. The sequence of the extracellular region contains 2 domains characteristic of the CD2 subgroup of the immunoglobulin (Ig) superfamily.

**Alternative Names**

GPA33, glycoprotein A33 (transmembrane), cell surface A33 antigen, A33, transmembrane glycoprotein A33, MGC129986, MGC129987,

**Gene ID**

[10223](#)

**UniProt ID**

[Q99795](#)