

# Mouse GPA33/A33 Protein

Cat. No. GPA-MM133

## Description

<b>Source</b>	Recombinant Mouse GPA33/A33 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Leu22-Ile235.
<b>Accession</b>	NP_067623.1
<b>Molecular Weight</b>	The protein has a predicted MW of 24.91 kDa. Due to glycosylation, the protein migrates to 38-48 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 $\mu\text{m}$ filtered solution in PBS(pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

## Background

Glycoprotein A33 (GPA33) is also known as Cell surface A33 antigen, is a single-pass type I membrane protein which is expressed in normal gastrointestinal epithelium and in 95% of colon cancers. GPA33 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 1 Ig-like C2-type (immunoglobulin-like) domain and 1 Ig-like V-type (immunoglobulin-like) domain characteristic of the CD2 subgroup of the immunoglobulin (Ig) superfamily, which contains. GPA33 may play a role in cell-cell recognition and signaling.

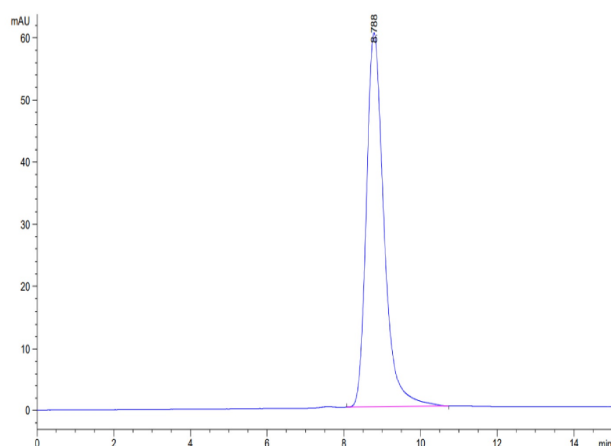
## Assay Data

### Tris-Bis PAGE



Mouse GPA33 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Mouse GPA33 is greater than 95% as determined by SEC-HPLC.