

# Recombinant Mouse Gpa33 Protein, His-tagged, FITC conjugated

Cat. No. Gpa33-246MF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	FITC conjugated recombinant Mouse Gpa33 (Leu22-Ile235) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Leu22-Ile235
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	The protein has a calculated MW of 24.7 kDa. The protein migrates as 33-42 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>N-terminal Sequence</b>	Leu 22

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Analysis</b>	
<b>Endotoxin</b>	< 1.0 EU/ µg by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Characteristic</b>	<p>Disulfide-linked homodimer</p> <p>Labeled with FITC via amines</p> <p>Excitation source: 488 nm spectral line, argon-ion laser</p> <p>Excitation Wavelength: 488 nm</p> <p>Emission Wavelength: 535 nm</p>
<b>Storage</b>	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
<b>Storage Buffer</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
<b>Conjugation</b>	FITC
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Gpa33

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<b>Official Symbol</b>	Gpa33
<b>Synonyms</b>	GPA33; glycoprotein A33 (transmembrane); cell surface A33 antigen; mA33; A33 antigen; BB116197; 2010310L10Rik; 2210401D16Rik
<b>Gene ID</b>	59290
<b>mRNA Refseq</b>	NM_021610
<b>Protein Refseq</b>	NP_067623
<b>UniProt ID</b>	Q9JKA5

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