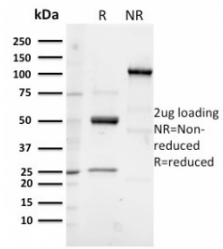
Glycoprotein 2 Antibody / GP2 / ZAP75 [clone GP2/3133R] (V4410)

Catalog No.	Formulation	Size
V4410-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4410-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4410SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	GP2/3133R
Purity	Protein A/G affinity
UniProt	P55259
Localization	Cell surface, Secreted, Cytoplasmic
Applications	ELISA : 2-4mg/ml for coating (order BSA-free format)
Limitations	This Glycoprotein 2 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free Glycoprotein 2 antibody (clone GP2/3133R) as confirmation of integrity and purity.

Description

GP2 (glycoprotein 2), also known as ZAP75, is a 537 amino acid secreted protein. It is an integral membrane protein that is secreted from intracellular zymogen granules and associates with the plasma membrane via glycosylphosphatidylinositol (GPI) linkage. GP2 is cleaved and then released into the pancreatic duct along with exocrine secretions. GP2 binds pathogens such as enterobacteria, thereby playing an important role in the innate immune

response. The C-terminus of this protein is related to the C-terminus of the protein encoded by the neighboring gene, uromodulin (UMOD). GP2 is also expressed on the apical plasma membrane of specialized microfold (M) cells among enterocytes and serves as a transcytotic receptor for mucosal antigens. M cells are considered a promising target for oral vaccination against various infectious diseases.

Application Notes

Optimal dilution of the Glycoprotein 2 antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human protein (within amino acids 35-179) was used as the immunogen for the Glycoprotein 2 antibody.

Storage

Aliquot the Glycoprotein 2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.