

Anti-PGLYRP1 / PGRP-S Reference Antibody (Novo Nordisk patent anti-PGLYRP1)

Recombinant Antibody
Catalog # APR11011

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	O75594
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	21731

Additional Information

Target/Specificity	PGLYRP1 / PGRP-S
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Protein Information

Name	PGLYRP1
Synonyms	PGLYRP, PGRP, TNFSF3L
Function	Innate immunity protein that plays several important functions in antimicrobial and antitumor defense systems. Acts as a pattern receptor that binds to murein peptidoglycans (PGN) of Gram- positive bacteria and thus provides bactericidal activity (PubMed: 9707603). Forms an equimolar complex with heat shock protein HSPA1A and induces programmed cell death through apoptosis and necroptosis in tumor cell lines by activating the TNFR1 receptor on the target cell membrane (PubMed: 21247889 , PubMed: 26183779). In addition, acts in complex with the Ca(2+)-binding protein S100A4 as a chemoattractant able to induce lymphocyte movement (PubMed: 26654597). Mechanistically, this complex acts as a ligand of the chemotactic receptors CCR5 and CXCR3 which are present on the cells of the immune system (PubMed: 30713770). Also promotes the activation of lymphocytes that become able to kill virus-infected cells as well as tumor cells by modulating the spectrum of their target-cell specificity (PubMed: 28977785 , PubMed: 29083508). Induction of cytotoxicity on monocyte surface requires

interaction with TREM1 receptor (PubMed:[25595774](#), PubMed:[28977785](#)).

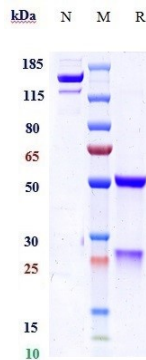
Cellular Location

Secreted. Cytoplasmic granule

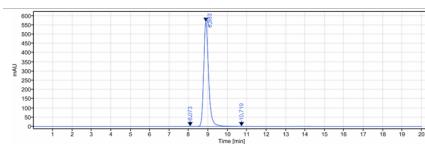
Tissue Location

Highly expressed in bone marrow. Weak expression found in kidney, liver, small intestine, spleen, thymus, peripheral leukocyte, lung, fetal spleen and neutrophils

Images



Anti-PGLYRP1 / PGRP-S Reference Antibody (Novo Nordisk patent anti-PGLYRP1) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-PGLYRP1 / PGRP-S Reference Antibody (Novo Nordisk patent anti-PGLYRP1) is more than 95%, determined by SEC-HPLC.

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