Product Datasheet

PGLYRP1/PGRP-S Antibody (188C424) - BSA Free NB100-56719

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 6

Protocols, Publications, Related Products, Reviews, Research Tools and Images at: www.novusbio.com/NB100-56719

Updated 10/23/2024 v.20.1

Earn rewards for product reviews and publications.

Submit a publication at www.novusbio.com/publications Submit a review at www.novusbio.com/reviews/destination/NB100-56719



NB100-56719

PGLYRP1/PGRP-S Antibody (188C424) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	188C424
Preservative	0.05% Sodium Azide
Isotype	IgG3 Kappa
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	21.73 kDa
Product Description	
Host	Mouse
Gene ID	8993
Gene Symbol	PGLYRP1
Species	Human, Mouse
Immunogen	This antibody was developed against KLH-conjugated synthetic peptide corresponding to amino acids 165-180 (YVLKGHRDVQRTLSPG) of human PGRP-S (NP_005082).
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Cell Surface), Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 2 ug/ml, Flow Cytometry 1:20-1:2000, Immunohistochemistry 1:20- 1:1000, Immunocytochemistry/ Immunofluorescence 1:20-1:1000. Use reported in scientific literature (Dukhanina et al (2009)), Immunohistochemistry-Paraffin 1:20 - 1:1000, Immunohistochemistry-Frozen reported in scientific literature (Onkelen et al (2012)), Flow (Cell Surface) reported in scientific literature (PMID 15839897), Flow (Intracellular) reported in scientific literature (PMID 19666596)
Application Notes	The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

www.novusbio.com



Images

Western Blot: PGLYRP1/PGRP-S Antibody (188C424) [NB100-56719] -Analysis using PGLYRP1/PGRP-S antibody. Lysate from human Jurkat cells probed with PGRP-S antibody at 2 ug/ml.



Immunohistochemistry-Paraffin: PGLYRP1/PGRP-S Antibody (188C424) [NB100-56719] - IHC analysis of formalin fixed paraffin-embedded (FFPE) human esophagus using PGLYRPI/PGRP-S antibody at 20 ug/ml on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium citrate buffer (pH 6.0) and endogenous peroxidase quenching with peroxide block. The sections were incubated with primary antibody for 30 minutes and Bond Polymer Refine Detection (Leica Biosystems) with DAB was used for signal development followed by counterstaining with hematoxylin. Whole slide scanning and capturing of representative images was performed using Aperio AT2 (Leica Biosystems). Staining of peripheral leukocytes and neutrophils was observed. Staining was performed by Histowiz.



Publications

Romanova EA, Sharapova TN, Telegin GB et al. A 12-mer Peptide of Tag7 (PGLYRP1) Forms a Cytotoxic Complex with Hsp70 and Inhibits TNF-Alpha Induced Cell Death Cells 2020-02-20 [PMID: 32093269] (ICC/IF, Mouse)

Dukhanina EA, Kabanova OD, Lukyanova TI et al. Opposite roles of metastasin (S100A4) in two potentially tumoricidal mechanisms involving human lymphocyte protein Tag7 and Hsp70. Proc Natl Acad Sci U S A. 2009-08-18 [PMID: 19666596] (Flow Cytometry Control, Human)

Details:

CD4+CD25+ human PBMCs were used with the PGRP-S (Tag7) 188C424 antibody in the following assays: 1. Flow (Intracellular): Figs S2C, S2D 2. IF: Figs S2E, S3.

van Onkelen RS, Mitalas LE, Gosselink MP et al. Assessment of microbiota and peptidoglycan in perianal fistulas. Diagn Microbiol Infect Dis. 2013-01-01 [PMID: 23102557]

Uehara A, Sugawara Y, Kurata S et al. Chemically synthesized pathogen-associated molecular patterns increase the expression of peptidoglycan recognition proteins via toll-like receptors, NOD1 and NOD2 in human oral epithelial cells. Cell Microbiol. 2005-05-01 [PMID: 15839897] (Flow-CS, ICC/IF)

Details:

Flow (cell surface): PGRP-1alpha (IMG-391), PGRP-1beta (IMG-414), and PGRP-S (IMG-393) were used in human oral epithelial (HSC-2) cell lines, Fig 3. IF/ICC: HSC-2 cells stimulated with or without lipid A, muramyldipeptide (MDP), gama-D-glutamyl-meso-DAP (iE-DAP), or IFN gamma then stained with PGRP-1beta (IMG-414), Fig 4.

Uehara A, Fujimoto Y, Fukase K, Takada H. Various human epithelial cells express functional Toll-like receptors, NOD1 and NOD2 to produce anti-microbial peptides, but not proinflammatory cytokines. Mol Immunol. 2007-05-01 [PMID: 17403538] (Flow-CS, Human)

Details:

The following products were used in flow (cell surface): PGRP-1alpha (IMG-391), PGRP-1beta (IMG-414), PGRP-S (IMG-393). Human oral epithelial (HSC-2, HSC-3, SAS, & HO-1-u-1), human pharyngeal epithelial (HEp-2), human esophageal epithelial (TE-1), human b

Uehara A, Takada H. Synergism between TLRs and NOD1/2 in oral epithelial cells. J Dent Res. 2008-07-01 [PMID: 18573991] (Flow-CS)

Details:

flow (cell surface): PGRP-1alpha (IMG-391), PGRP-1beta (IMG-414), PGRP-S (IMG-393). Oral epithelial HSC-2 cell line stimulated with Fk156 or muramyldipeptide (MDP) plus FSL-1 and lipid A, Fig 1.





Novus Biologicals USA

10730 E. Briarwood Avenue Centennial, CO 80112 USA Phone: 303.730.1950 Toll Free: 1.888.506.6887 Fax: 303.730.1966 nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave Toronto, ON M8Z 4E6 Canada Phone: 905.827.6400 Toll Free: 855.668.8722 Fax: 905.827.6402 canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane Abingdon Science Park Abingdon, OX14 3NB, United Kingdom Phone: (44) (0) 1235 529449 Free Phone: 0800 37 34 15 Fax: (44) (0) 1235 533420 info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com Technical Support: nb-technical@biotechne.com Orders: nb-customerservice@bio-techne.com General: novus@novusbio.com

Products Related to NB100-56719

NB820-59670	Mouse Spleen Whole Tissue Lysate (Adult Whole Normal)
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96978	Mouse IgG3 Kappa Light Chain Isotype Control (MG3K)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB100-56719

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications

www.novusbio.com

