

Product Datasheet

Porcine IgG, Fc Native Protein NBP1-97004-1mg

Unit Size: 1 mg

Store at 4C short term. For extended storage, add an equal volume of glycerol, aliquot and store at -20C or below. Avoid repeated freeze-thaw cycles.

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NBP1-97004-1mg

Porcine IgG, Fc Native Protein

Product Information

Unit Size	1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. For extended storage, add an equal volume of glycerol, aliquot and store at -20C or below. Avoid repeated freeze-thaw cycles.
Preservative	0.01% Sodium Azide
Purity	Multi-step
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description

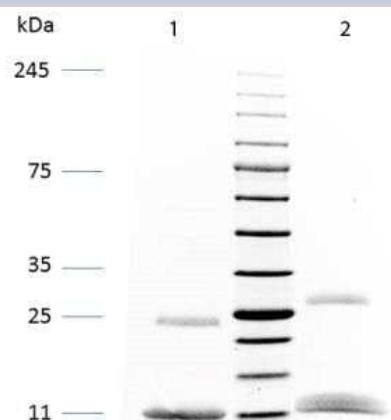
Description	Native Porcine Porcine IgG, Fc Source: Normal serum (Accession #:AAB22049.1)
Species	Porcine
Preparation Method	This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and papain digestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Swine Serum, anti-Swine IgG and anti-Swine IgG F(c). No reaction was observed against anti-Swine IgG F(ab') ₂ or anti-Papain. By SDS-PAGE this material may appear as 50, 25 and 12 kDa bands under non-reducing conditions and predominately 25 and 12 kDa bands under reducing conditions. This is normal for papain digested Swine IgG. These bands consist of determinants derived entirely from F(c) portions of Swine IgG.
Notes	Store vial at 4C prior to opening. This product is stable 4C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing.

Product Application Details

Applications	Immunocytochemistry/ Immunofluorescence, SDS-Page
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, SDS-Page
Application Notes	This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.

Images

SDS-Page: Porcine IgG, Fc Native Protein [NBP1-97004] - SDS-PAGE of Swine IgG F(c). Lane 1: Non-reduced Swine IgG F(c). Lane 2: 5uL OPAL Pre-stained Marker MB-210-0500. Lane 3: Reduced Swine IgG F(c). Load: 1 ug per lane. Predicted/Observed size: Non-reduced at 50, 25, 12kDa, Reduced at 25, 12 kDa/Non-reduced at 25, 12 kDa, Reduced at 25, 12 kDa.



Publications

Niedermair T, Schirner S, Straub RH, GrAssel S Absence of alpha-calcitonin gene-related peptide modulates bone remodeling properties of murine osteoblasts and osteoclasts in an age-dependent way Mech. Ageing Dev. 2020-05-21 [PMID: 32446790] (ICC/IF, Mouse)



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@bio-techne.com

Orders: nb-customerservice@bio-techne.com

General: novus@novusbio.com

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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