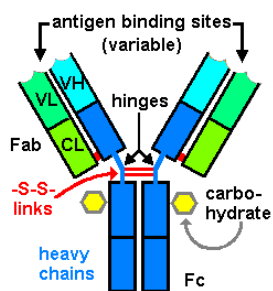


Product Data Sheet

<input type="checkbox"/> Cat# 20118-1	Baboon IgG (non-immune, isotype control), purified	Size: 1 mg
<input type="checkbox"/> Cat# 20118-10	Baboon IgG (non-immune, isotype control), purified	Size: 10 mg
<input type="checkbox"/> Cat# 20118-B	Baboon IgG (non-immune)-Biotin conjugate	Size: 100 ug



Immunoglobulin G (IgG)

Immunoglobulin G (IgG) is a type of antibody. It is a protein complex composed of four peptide chains—two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. IgG has molecular weight of approximately 150 kDa, heavy or H chain

approximately 50 kDa and light or L chain 25 kDa. Each IgG has two antigen binding sites. Representing approximately 75% of serum antibodies in humans, IgG is the most common type of antibody found in the circulation.

A healthy non-immunized population of Baboons was used to collect serum. IgG was prepared by ammonium sulfate, and column chromatography (Sephadex, and DEAE-ion exchange columns) and protein A/G column chromatography. The resulting preparation was judged to be >95% pure by IEP and SDS-Page.

Form and Storage

The normal Baboon IgG is provided as liquid (~1 mg/ml; see lot sp conc on the vial) in PBS pH 7.4 + sodium azide as preservative; see lot specific concn on the vials) or lyophilized in the same buffer. The product should be **stored at 4°C** for short term and **-20°C** for long term storage. It is stable for a minimum of 1 year. Do not store diluted solutions. Sodium azide, an inhibitor of peroxidase, must be avoided if used with antibody-HRP conjugates.

The **lyophilized products** should be dissolved in PBS, pH 7.4 by gentle rocking or vortexing at room temperature. Centrifuge the IgG solution briefly (10,000 g, 15 min) to remove any particulate matter. It should be aliquoted and stored frozen for long term use.

Suggested Uses

This preparation of normal IgG is suitable for coating the ELISA plates or as a non-immune control for ELISA, dot blot, Western or IHC. Recommended testing concn. is approx. 100 ug/ml to 1 mg/ml. It is, however, possible

that this preparation may be unsuitable for some antigens or cell/tissue extracts and may give slightly higher background. Switching to another preparation from different Monkeys or vendor may alleviate this problem.

This product is for in vitro research use only.

Related items available

Catalog#	Prod Description
20118-1	Baboon IgG (non-immune, isotype control), purified
20118-10	Baboon IgG (non-immune, isotype control), purified
20118-B	Baboon IgG (non-immune)-Biotin conjugate
600-070-03N	Baboon Monkey Anti-Rabies Virus IgG antiserum negative control
600-070-04P	Baboon Monkey Anti-Rabies Virus IgG antiserum positive control
600-180-01N	Baboon Monkey Anti-Rabies Virus Glycoprotein (RVG) IgG antiserum negative control
600-180-02P	Baboon Monkey Anti-Rabies Virus Glycoprotein (RVG) IgG antiserum positive control
600-180-BRG	Baboon Monkey Anti-Rabies Virus Glycoprotein (RVG) IgG Elisa kit, 96 tests, Quantitative
600-660-01N	Baboon Monkey Anti-Rabies Virus Nucleoprotein (RV-NP) IgG antiserum negative control
600-660-02P	Baboon Monkey Anti-Rabies Virus Nucleoprotein (RV-NP) IgG antiserum positive control
600-660-BRG	Baboon Monkey Anti-Rabies Virus Nucleoprotein (RV-NP) IgG Elisa kit
950-150-05N	Baboon Anti-Adenovirus Hexon Protein (hAd5 hxn) IgG Negative Serum
950-150-06P	Baboon Anti-Adenovirus Hexon Protein (hAd5 hxn) IgG Positive Serum
NBBS-1	Baboon control (non-immunized) serum, Adult mixed sex
NBBS-5	Baboon control (non-immunized) serum, Adult mixed sex

20118-1-Baboon-IgG 160407SV

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