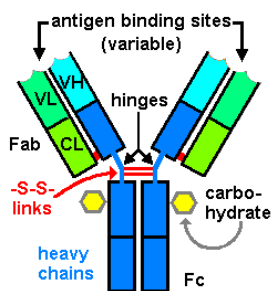


Product Data Sheet

<b>Cat# 20007-1-1</b>	<b>Human IgG, purified (serum, non-immune, isotype control)</b>	<b>Size:</b> □ 1 mg
<b>Cat# 20007-1-5</b>		<b>Size:</b> □ 5 mg
<b>Cat# 20007-1-25</b>		<b>Size:</b> □ 25 mg
<b>Cat# 20007-1-100</b>		<b>Size:</b> □ 100 mg



Immunoglobulin G (IgG)

released by plasma B cells.

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. 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. IgG molecules are created and

background. Switching to another preparation from different mouse or vendor may alleviate this problem.

*This product is for in vitro research use only.*

**Related products available form ADI**

Catalog#	Prod Description
20007-F100	Human IgG-Fc fragment purified (isotype control)
20007-F1000	Human IgG-Fc fragment purified (isotype control)
20007-1-100	Human IgG, purified (serum, non-immune, isotype control)
20007-1-25	Human IgG, purified (serum, non-immune, isotype control)
20007-1-5	Human IgG, purified (serum, non-immune, isotype control)
10331	Anti-Human IgG (H+L)-Rhodamine (TRITC) conjugate (adsorbed with other species)
10332	Anti-Human IgG (H+L)-Phycoerythrin (PE) Conjugate (adsorbed with other species)
10333	Anti-Human IgG (H+L)-Texas Red conjugate (adsorbed with other species)
10335	Anti-Human IgG (H+L)-Cy5 conjugate (adsorbed with other species)
20007-1-FC	Human IgG (Fc) fragment, purified
1750	Human IgG ELISA Kit, 96 tests, Quantitative
20007-G1-B	Human IgG1-Biotin Conjugate (-ve control)
20007-1-1	Human IgG, purified (serum, non-immune, isotype control)
20007-1-B	Human IgG-Biotin conjugate (isotype control, non-immune), purified
20007-1-F	Human IgG-FITC conjugate (isotype control, non-immune), purified
20007-1-HP	Human IgG-HRP Conjugate (isotype control)

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

**Form and Storage**

The normal human IgG is provided as liquid (1 mg/100 ul or 10 mg/ml in PBS pH 7.4 + sodium azide (0.05%) as preservative) or in lyophilized form. The product should be **stored at 4°C** for short term and **-20oC** 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 to prepare desired concentration 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 human 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. 10 ug/ml. It is, however, possible that this preparation may be unsuitable for some antigens or cell/tissue extracts and may give slightly higher

20007-1-1, 1-5, 1-25-, 1-100  
160111SV

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