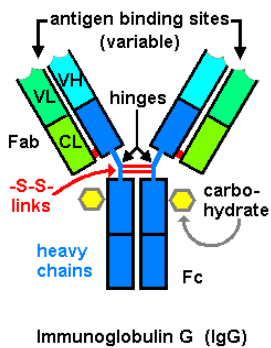


Product Data Sheet

Cat # 20011-100

Normal Goat Serum IgG, purified (-ve control for flow cytometry)

Size: □100 tests



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 adult Goat (mixed sex) 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 >96% pure by IEP and SDS-Page.

Form and Storage

The normal Goat IgG is provided as liquid (100 ug/0.5 ml in PBS pH 7.4+0.05% sodium azide as preservative) or in lyophilized form (amount of protein stated on the vial). The powder 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 Goat IgG is suitable for flow cytometry. Recommended testing concn. is approx. 5 ul test or 1 ug/test. It is, however, possible that this preparation may be unsuitable for some cells and may give slightly higher background. Switching to another

preparation from different Goat or vendor may alleviate this problem.

This product is for in vitro research use only.

Related Items available from ADI

Catalog#	Prod Description
20011-1	Goat IgG, purified (serum non-immune, isotype control)
20011-100	Goat IgG (-ve control for flow cytometry) (isotype control)
20011-1-FAB	Goat IgG Fab fragment, purified
20011-1-FAB2	Goat IgG F(ab')2 fragment, purified
20011-1-FAB-B	Goat IgG FAB fragment-Biotin conjugate
20011-B	Goat IgG (Whole, non-immune)-Biotin conjugate
20011-F	Goat IgG-FITC conjugate (isotype control)
20011-FAB2-B	Goat IgG F(ab')2 fragment-Biotin conjugate
20011-FAB2-Cy5	Goat IgG F(ab')2 fragment-Cy5 conjugate
20011-FAB2-F	Goat IgG F(ab')2 fragment-FITC conjugate
20011-FAB2-HP	Goat IgG FAB(ab')2 fragment-HRP conjugate
30419	Anti-Goat IgM (mu-chain) unlabeled, aff pure
30420	Anti-Goat IgM-HRP conjugate
30430	Anti-Goat IgM-FITC conjugate
30440	Anti-Goat IgM-biotin conjugate
40321-200	Anti-Mouse IgG-HRP conjugate (adsorbed with human, rat, goat etc)
30119	Anti-Goat IgA (alpha chain) unlabeled, aff pure
30120	Anti-Goat IgA (alpha chain)-HRP conjugate
30130	Anti-Goat IgA (alpha chain)-FITC conjugate
30218-210	Anti-Goat IgG-HRP conjugate (adsorbed with human, mouse, rat etc)
30219	Anti-Goat IgG (H+L) unlabeled, aff pure
20011-100-Gt-IgG	151209SV