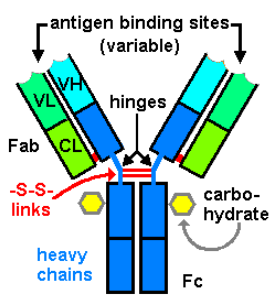


Product Data Sheet

<b>Cat# 10118-GAF-BLK</b>	Goat Anti-Human IgG, Fc Fragment, Affinity Purified (Bulk)	<b>Size: 10 mg</b>
<b>Cat# 10118-GAS-BLK</b>	Goat Anti-Human IgG, Fc Fragment, Antisera (Bulk)	<b>Size: 10 mg</b>



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.

Goats were immunized with antigen grade **Human IgG (Fc)**. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography to remove non-specific antibodies. Specificity of antibody has been tested using IEP, immunodiffusion, and ELISA. The product reacts with Human IgG, IgA and IgM with no significant reactivity with other serum proteins. Purified anti-Human IgG (Fc) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

### Form and Storage

#### Cat# 10118-GAF-BLK

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** or **liquid** form (see lot sp. conc on the vial). Reconstitute powder in PBS in 0.1 ml to prepare 1 mg/ml solution. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

#### Cat# 10118-GAS-BLK

Secondary Antibodies are produced in Goat or other host animals. Hyperimmune sera are supplied as unpurified whole antisera or affinity purified using appropriate salt fractionation and antigen agarose affinity column. Antibodies made to IgG-Fc or gamma chain or isotype specific chains are more specific to a given isotype and they are further cross-adsorbed with other immunoglobulins to minimize crossreactivity. For example, anti-mouse IgG-Fc or IgG-gamma chains are specific to IgG only with minimal or no reaction with IgM or IgA.

### Recommended Working Dilution for ELISA

Working dilution for the specific application should be determined by the investigator to obtain the best conditions. Working solution should be prepared immediately before use and diluted solution should be discarded.

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

### Related Material available for ADI

Catalog#	Prod Description
10115-HP	Anti-Human IgG F(ab') <sub>2</sub> fragment specific-HRP Conj. (adsorbed with bovine, horse, mouse serum proteins)
10115-UL	Anti-Human IgG F(ab') <sub>2</sub> fragment specific (adsorbed with bovine, horse, mouse serum proteins)
10118-GAF-BLK	Anti-Human IgG, Fc Fragment, Affinity Purified (Bulk)
10118-GAS-BLK	Anti-Human IgG, Fc Fragment, Antisera (Bulk)
10118-UL	Anti-Human IgG (Fc) IgG, unlabeled
10119	Anti-Human IgG (Fc) IgG, unlabeled
10119-2	Anti-Human IgG (Fc) IgG, unlabeled
10119-GAF-BLK	Anti-Human IgG, Affinity Purified (Bulk)
10119-GAS-BLK	Anti-Human IgG, Antisera (Bulk)
10119-HP	Anti-Human IgG (Fc) IgG-HRP Conjugate
10119-R	Anti-Human IgG (Fc) IgG, unlabeled
10119-RAF-BLK	Anti-Human IgG, Affinity Purified (Bulk)
10119-RAS-BLK	Anti-Human IgG, Antisera (Bulk)
10120	Anti-Human IgG (gamma-chain sp.)-HRP conjugate
10121	Anti-Human IgG1 (Fc-region)-HRP conjugate
10121-AP	Anti-Human IgG1 (Fc-region)-AP conjugate
10121-BT	Anti-Human IgG1 (Fc-region)-Biotin conjugate
10121-FITC	Anti-Human IgG1 (Fc-region)-FITC conjugate
10121-PE conjugate	Anti-Human IgG1 (Fc-region)-PE (phycoerythrin) conjugate
10121-UL	Anti-Human IgG1 (Fc-region) aff pure, unlabeled
10122	Anti-Human IgG2 (Fc-region)-HRP conjugate
10122-AP	Anti-Human IgG2 (Fc-region)-AP conjugate
10122-BT	Anti-Human IgG2 (Fc-region)-Biotin conjugate
10122-FITC	Anti-Human IgG2 (Fc-region)-FITC conjugate
10122-PE conjugate	Anti-Human IgG2 (Fc-region)-PE (phycoerythrin) conjugate
10122-UL	Anti-Human IgG2 (Fc-region) aff pure, unlabeled
10123	Anti-Human IgG3 (hinge-region)-HRP conjugate

### Human IgA, IgG, IgM, and IgE ELISA kits

10118-GAF-BLK	160630SV
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