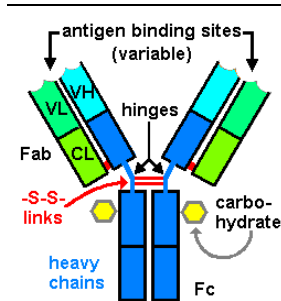


Product Data Sheet

**Anti-Rabbit IgG (Fc) antibodies and conjugates**

<input type="checkbox"/> Cat# 20119	Goat Anti-rabbit IgG (Fc), <b>unlabeled</b>	<b>Size:</b> 0.5 mg
<input type="checkbox"/> Cat# 20120	Goat Anti-rabbit IgG (Fc)- <b>HRP</b> conjugate	<b>Size:</b> 1 ml
<input type="checkbox"/> Cat# 20130	Goat Anti-rabbit IgG (Fc)- <b>FITC</b> conjugate	<b>Size:</b> 0.5 ml
<input type="checkbox"/> Cat# 20140	Goat Anti-rabbit IgG (Fc)- <b>Biotin</b> conjugate	<b>Size:</b> 0.5 ml
<input type="checkbox"/> Cat# 20150	Goat Anti-rabbit IgG (Fc)- <b>AP</b> conjugate	<b>Size:</b> 0.5 ml



Immunoglobulin G (IgG)

An Fc receptor is a protein found on the surface of certain cells – including, among others, B lymphocytes, follicular dendritic cells, natural killer cells, macrophages, neutrophils, eosinophils, basophils and mast cells – that contribute to the protective functions of the immune system. Its name is derived from its binding specificity for a part of an antibody known as the Fc (Fragment, crystallizable) region. Fc receptors bind to antibodies that are attached to infected cells or invading pathogens. Their activity stimulates phagocytic or cytotoxic cells to destroy microbes, or infected cells by antibody-mediated phagocytosis or antibody-dependent cell-mediated cytotoxicity

Goats were immunized with antigen grade rabbit IgG (Fc)-fragment. Antibodies have been isolated using ammonium sulfate, ion-exchange, and affinity chromatography. Purified anti-rabbit IgG (Fc) antibody is supplied as unlabeled or conjugated to Biotin, FITC, AP or HRP.

Specificity of antibodies has been tested using IEP, immunodiffusion, and ELISA. The antibodies yielded a single precipitin arc against rabbit serum, rabbit IgG, and Fc-fragment. No antibody reactivity is detected to other rabbit serum proteins, IgM, IgA or F(ab)2. Anti-rabbit IgG (Fc) may crossreact with Fc-fragment from other species.

**Form and Storage**

**Cat# 20119, Anti-rabbit IgG (Fc), unlabeled**

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (0.5 mg) or **liquid** form (0.5 mg/0.5ml). Reconstitute powder in PBS in 0.5 ml to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

**Cat# 20120, Anti-rabbit IgG (Fc)-HRP-conjugate**

Purified antibody was coupled to HRP (RZ>3.0) using periodate method. The molar enzyme to protein (E/P) ratio = 4.0. The antibody is supplied in stabilizing buffer, 0.1% proclin-300 as preservative in either **lyophilized** (1 ml) or **liquid** form (0.5-1 mg/ml). Reconstitute powder in PBS in 1 ml. Store at 4oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:1,000-1:10,000 ELISA, 1:1K-1:5K for western, and 1:200-1:1000 (IHC).

**Cat# 20130, Anti-rabbit IgG (Fc)-FITC-conjugate**

Purified anti-rabbit IgG (Fc) antibody was coupled to FITC at F/P ratio ~3:7. The antibody is supplied in PBS, pH 7.4, 0.2%

BSA and 0.05% azide in either **lyophilized** (0.5 ml) or **liquid** form (0.5 mg/0.5 ml). Reconstitute powder in PBS in 0.5 ml to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:200-1:2000 for immunofluorescence.

**Absorption Wavelength:** 495 nm

**Emission Wavelength:** 528 nm

**Cat# 20140, Anti-rabbit IgG (Fc)-Biotin-conjugate**

Purified anti-rabbit IgG (Fc) antibody was coupled to Biotin using Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) at F/P ratio ~10-20:1. The antibody is supplied in PBS, pH 7.4, 0.2% BSA and 0.05% azide in either **lyophilized** (0.5 mg) or **liquid** form (0.5 mg/0.5 ml). Reconstitute powder in PBS in 0.5 ml to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:5,000-1:30,000 ELISA, 1:2K-1:10K for western.

**Cat# 20150, Anti-rabbit IgG (Fc)-AP-conjugate**

The conjugate is provided at ~0.5-1 mg/ml as liquid in a stabilizing buffer (50 mM HEPES pH 7.1, 0.1 M NaCl, 1 mM MgCl2, 0.1 mM ZnCl2, pH 7.5, containing 0.2% bovine serum albumin, 0.05% sodium azide). The product should be **stored at 4°C** and is stable for a minimum of 1 year. Do not store diluted solutions.

Suggested conjugate dilutions are 1:1,000-1:10,000 ELISA, 1:1K-1:5K for western, and 1:200-1:1000 (IHC).

**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.

**Related Material available for ADI**

**Catalog# Prod Description**

20009-1-FAB	Rabbit IgG Fab fragment, purified
20009-AS-1	Rabbit IgG-Agarose conjugate
20009-BT-1	Rabbit IgG-biotinylated (isotype control)
20009-1	Rabbit IgG, purified (serum non-immune, isotype control)
20009-B conjugate	Rabbit IgG (Whole, non-immune)-Biotin conjugate
20009-F	Rabbit IgG-FITC conjugate (isotype control)
20009-HP	Rabbit IgG-HRP conjugate (isotype control)
20009-PE	Rabbit IgG-PE conjugate (isotype control)

20119-Gt-Anti-Rb-IgG-Fc 151201SV

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