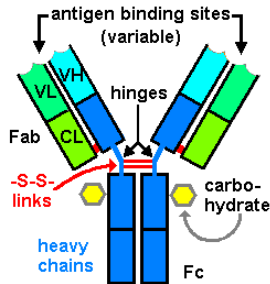


Product Data Sheet

□ Cat# 20008-1-Fc	Mouse IgG Fc (non-immune), unlabeled (isotype control)	Size: 0.5 mg
□ Cat# 20008-Fc-B	Mouse IgG Fc (non-immune)- Biotin conjugate (isotype control)	Size: 100 ug
□ Cat# 20008-Fc-F	Mouse IgG Fc (non-immune)- FITC conjugate (isotype control)	Size: 100 ug
□ Cat# 20008-Fc-HP	Mouse IgG Fc (non-immune)- HRP conjugate (isotype control)	Size: 100 ug



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

This product was prepared from normal Mouse serum by a multi-step process which includes delipidation, salt fractionation, ion exchange chromatography and papain digestion followed by chromatographic separation and extensive dialysis against the buffer stated above. Assay by immune-electrophoresis resulted in a single precipitin arc against anti-Mouse Serum, anti-Mouse IgG and anti-Mouse IgG F(c). No reaction was observed against anti-Mouse IgG F(ab')₂ or anti-Papain. Highly purified Mouse Fc was labeled with purified preparation of calf intestinal alkaline phosphatase (AP), (horseradish peroxidase) HRP, Biotin or FITC or PE.

Form and Storage

Cat# 20008-1-Fc, unlabeled

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

In most applications, Mouse IgG Fc is used at 0.1-1 ug/ml.

Cat# 20008-Fc-F, FITC-conjugate

Purified Mouse IgG Fc was coupled to FITC at F/P ratio ~5. The antibody is supplied in PBS, pH 7.4, 1% BSA, and 0.05% azide at 100 ug/100 ul (see lot sp. conc. on the vial). Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested conjugate dilutions are 1:20-1:500 for immunofluorescence.

Absorption Wavelength: 495 nm

Emission Wavelength: 528 nm

Cat# 20008-Fc-B, Biotin-conjugate

Purified Mouse IgG Fc 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, 1% BSA and 0.05% azide in either **lyophilized** or **liquid** form (see lot sp. conc.)

on the vial). Reconstitute powder in PBS 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 1:1,000-1: 10,000 ELISA.

Cat# 20008-Fc-HP; HRP-conjugate

Purified Mouse IgG Fc 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 (PBS, pH 7.4, 1% BSA), 0.1% proclin-300 as preservative in either **lyophilized** or **liquid** form (see lot sp conc on the vial). Reconstitute

powder in PBS in 100 ul. 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).

Recommended Working Dilution for ELISA

Working dilution for the specific application should be determined by the investigator to obtain the best conditions and prepared immediately before use. Diluted solution should be discarded. This product can be used in immunodiffusion, ELISA, flow cytometry, immunofluorescence, or immunolocalization.

This product is for in vitro research use only.

Related Material available for ADI

Catalog# Prod Description

20008-Fc-HP	Mouse IgG F(c)-HRP conjugate (isotype control)
20008-Fab-B	Mouse IgG Fab-Biotin conjugate (isotype control)
20008-Fab-F	Mouse IgG Fab-FITC conjugate (isotype control)
20008-Fab-HP	Mouse IgG Fab-HRP conjugate (isotype control)
20008-Fab2-B	Mouse IgG F(ab') ₂ -Biotin conjugate (isotype control)
20008-Fab2-F	Mouse IgG F(ab') ₂ -FITC conjugate (isotype control)
20008-Fab2-HP	Mouse IgG F(ab') ₂ -HRP conjugate (isotype control)
20008-1-FAB	Mouse IgG Fab fragment, purified
20008-1-Fc	Mouse IgG (Fc) fragment, purified
20008-1-Fab2	Mouse IgG F(ab') ₂ fragment, purified
20008-250	Mouse IgG Control Sera
20008-1-100	Mouse IgG (-ve control for flow cytometry)
20008-AS-1	Mouse IgG-Agarose conjugate (aff matrix)
20008-F	Mouse IgG-FITC conjugate (isotype control)
20008-HP	Mouse IgG-HRP conjugate (isotype control)
20008-PE	Mouse IgG-PE conjugate (isotype control)
20008-Fc-B	Mouse IgG F(c)-Biotin conjugate (isotype control)
20008-Fc-F	Mouse IgG F(c)-FITC conjugate (isotype control)
20008-B	Mouse IgG-Biotin conjugate (isotype control)
20008-BT-1	Mouse IgG-Biotin conjugate (isotype control)
MA-20008	Mouse Monoclonal Anti-Human CD8
20008-PC5	Mouse IgG-R-PE-Cy5 conjugate (isotype control)

20008-1-Fc-B-F-HP 110111A

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