

Product Data Sheet

Rabbit IgG F(ab')₂ Isotype Control and Conjugates

Cat# 20009-1-Fab2	Rabbit IgG F(ab') ₂ , Unlabeled	Size: 1 mg
Cat# 20009-Fab2-B	Rabbit IgG F(ab') ₂ -Biotin Conjugate	Size: 100 ug
Cat# 20009-Fab2-F	Rabbit IgG F(ab') ₂ -FITC Conjugate	Size: 100 ug
Cat# 20009-Fab2-HP	Rabbit IgG F(ab') ₂ -HRP Conjugate	Size: 100 ug
Cat# 20009-Fab2-PE	Rabbit IgG F(ab') ₂ -PE Conjugate	Size: 100 tests

A healthy non-immunized population of normal Rabbit was used to collect serum. This product was prepared from normal serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by pepsin digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit IgG, anti-Rabbit IgG F(ab')₂ and anti-Rabbit Serum. No reaction was observed against anti-Rabbit IgG F(c) or anti-Pepsin.

Cat# 20009-1-Fab2, unlabeled

The IgG-Fab2 is provided as liquid (see lot specific conc on the vial in 0.1M borate buffer, pH 8 and no preservative) or in lyophilized form. Sodium azide or other preservative can be added if necessary to prevent bacterial growth. The product should be **stored at 4°C** for short term and -20°C for long-term storage. It is stable for a minimum of 1 year. Do not store diluted solutions.

The **lyophilized products** should be dissolved water to or in other buffers. Dissolve by gentle rocking or vortexing at room temperature. It should be aliquoted and stored frozen for long-term use.

Suggested Uses

This preparation of IgG-Fab2 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. 1-10 ug/ml. It is, however, possible that this preparation may be unsuitable for some antigens or cell/tissue extracts and may give slightly higher background. Switching to another preparation from different Rabbit or vendor may alleviate this problem.

Cat# 20009-Fab2-B, Biotin-conjugate

Purified 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 (0.1 mg) or liquid form (0.1 mg/0.1 ml or 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. Suggested conjugate dilutions are 1:5,000-1:30,000 ELISA, 1:2K-1:10K for western.

Cat# 20009-Fab2-F, FITC-conjugate

Purified antibody was coupled to FITC at F/P ratio ~5. The antibody is supplied in PBS, pH 7.4, 1% BSA (see lot sp concn on the vial) or in powder form. Reconstitute powder in PBS. Store at -20°C in suitable aliquots. Stability is ~6-12 months. Do not freeze/thaw.

Suggested conjugate dilutions are 1:20-1:500 for immunofluorescence. Or 1 test equivalent of antibody per million cells.

Absorption @495 nm Emission @528 nm

Cat# 20009-FAB2-HP, 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% prolcin-300 as preservative in either lyophilized or liquid form (see lot sp. conc on the vial). Reconstitute powder in PBS in 1 ml. Store at 4°C 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# 20009-Fab2-PE, PE-conjugate

The purified antibody was coupled to R-Phycoerythrin (R-PE) (Molecular Weight 240,000 daltons) from seaweed using proprietary methods (A565nm/A280nm ~3-4).

Absorption: 490 nm, 545 nm and 565 nm
Emission Wavelength: 580 nm

The conjugate is provided in PBS, pH 7.5, containing 0.1% bovine serum albumin, (BSA) 0.05% sodium azide and stabilizing agent). DO NOT FREEZE. The product should be stored at 4°C and is stable for a minimum of 1 year. Do not store diluted solutions. Recommended usage is ~5-10 ul/10⁶ cells for Flow cytometry or FACS. Due to many experimental variations, optimum concn must be determined for a given applications.

Related Material available for ADI

20009-1-Fab2-con 101123A

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