

Product Data Sheet

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

<input type="checkbox"/> Cat# 20011-1-Fab2	Goat IgG F(ab') ₂ , Unlabeled	Size: 1 mg
<input type="checkbox"/> Cat# 20011-Fab2-B	Goat IgG F(ab') ₂ -Biotin Conjugate	Size: 100 test
<input type="checkbox"/> Cat# 20011-Fab2-F	Goat IgG F(ab') ₂ -FITC Conjugate	Size: 100 test
<input type="checkbox"/> Cat# 20011-Fab2-HP	Goat IgG F(ab') ₂ -HRP Conjugate	Size: 100 test
<input type="checkbox"/> Cat# 20011-Fab2-PE	Goat IgG F(ab') ₂ -PE Conjugate	Size: 50 tests
<input type="checkbox"/> Cat# 20011-Fab2-Cy5	Goat IgG F(ab') ₂ -Cy5 Conjugate	Size: 50 tests

A healthy non-immunized population of normal Goat 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-Goat IgG, anti-Goat IgG F(ab')₂ and anti-Goat Serum. No reaction was observed against anti-Goat IgG F(c) or anti-Pepsin.

Cat# 20011-1-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 **-20oC** 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. It should be aliquoted and stored frozen for long-term use.

Suggested Uses

ELISA, Western, IHC, IF (optimum concn should be optimized for a given application; range 0.1-1 ug/ml)

Cat# 20011-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 or liquid form (see lot sp. conc on the vial). Reconstitute powder in PBS in 0.1 ml to prepare stock 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# 20011-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 -20oC 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# 20011-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% proclin-300 as preservative in either lyophilized or liquid form (see lot sp. conc on the vial). Reconstitute powder in PBS. 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# 20011-Fab2-PE, PE-conjugate

The purified antibody was coupled to R-Phycoerythrin (R-PE) (240 Kda) from seaweed using proprietary methods. The conjugate is provided in PBS, pH 7.5, containing 0.1% bovine serum albumin, (BSA) 0.05% sodium azide. **DO NOT FREEZE**. The product should be stored at 4oC and is stable for a minimum of 1 year. Do not store diluted solutions.

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

Recommended usage is ~10 ul/10⁶ cells for Flow cytometry or FACS.

Cat# 20011-FAB2-Cy5; Cy5-conjugate

Purified antibody was coupled to Cy5.29 (Cyanine 5.29-OSu) (Molecular Weight 975 daltons) at F/P ratio ~6:1. The antibody is supplied in PBS, pH 7.4, 0.5% BSA, IgG, and 0.05% azide in either **lyophilized** or **liquid** form. Reconstitute powder in PBS (0.1-0.5 ml to prepare stock solution). Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Suggested applications: Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays

Suggested conjugate dilutions are 1:100-1:500 for immunofluorescence. Users must optimize the dilutions for a given technique.

Absorption Wavelength: 650 nm
Emission Wavelength: 667 nm

Related Material available for ADI

20011-Fab2-con 110303A

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444
Email: customerservice@lifetechindia.com Website: www.lifetechindia.com