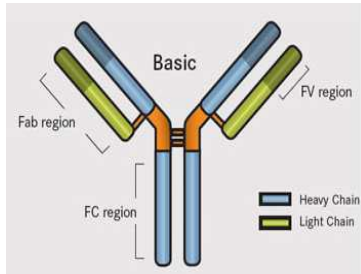


**Human IgG Fab fragment, purified**

**Cat# 20007-1-FAB**

**Size:** □ 1 mg

**Form:** □ Liquid □ Lyophilized



Fab is the antigen binding region on an antibody. It consists of heavy chain and a light chain. It is generated by mild reduction of F(ab')<sub>2</sub>. F(ab')<sub>2</sub> fragments of antibodies are generated by pepsin

digestion of whole IgG antibodies to remove a portion of the Fc region while leaving intact some of the hinge region. F(ab')<sub>2</sub> fragments have two antigen-binding Fab portions linked together by disulfide bonds, and therefore are divalent. The average molecular weight of Fab is about 55kDa. They are used for specific applications, such as to avoid binding of antibodies to Fc receptors on cell surfaces or binding to Protein A or Protein G.

**Source of Antigen:**

A healthy non-immunized population of normal Human 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 papain digestion and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Human Serum, anti-Human IgG and anti-Human IgG F(ab')<sub>2</sub>. No reaction was observed against anti-Human IgG F(c) or anti- Papain.

All human sera and plasma or buffers based upon, have been tested respective to HBsAg, HIV and HCV with recognized methods and were found negative. Nevertheless precautions like the use of latex gloves have to be taken.

**Form and Storage**

The IgG-Fab is provided as liquid (1 mg/ml in PBS pH 7.4) or in lyophilized form. 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 in PBS, pH 7.4 to prepare desired concentration by gentle rocking or vortexing at room temperature. Centrifuge the solution briefly (10,000 g, 15 min) to remove any particulate matter. It should be aliquoted and stored frozen for long-term use.

**Suggested Uses**

This preparation of IgG-Fab is suitable for coating the ELISA plates or as a non-immune control for ELISA, dot blot, Western or IHC. Recommended testing conc. 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 mouse or vendor may alleviate this problem.

Catalog#	ProdDescription
1750	Human IgG ELISA Kit, 96 tests, Quantitative
1760	Human IgM ELISA Kit, 96 tests, Quantitative
1780	Human IgA ELISA Kit, 96 tests, Quantitative
1800	Human IgE ELISA Kit, 96 tests, Quantitative
20007-1-FAB2	Human IgG F(ab') <sub>2</sub> fragment, purified
20007-1-FAB2-B	Human IgG Fab <sub>2</sub> fragment-Biotin Conjugate, purified
20007-1-FAB2-F	Human IgG Fab <sub>2</sub> fragment-FITC Conjugate, purified
20007-1-FAB2-HP	Human IgG Fab <sub>2</sub> fragment-HRP Conjugate, purified
20007-1-FAB-B	Human IgG Fab fragment-Biotin Conjugate, purified
20007-1-FAB-F	Human IgG Fab fragment-FITC Conjugate, purified
20007-1-FAB-HP	Human IgG Fab fragment-HRP Conjugate, purified
20007-1-FC	Human IgG (Fc) fragment, purified
20007-1-Fc-B	Human IgG Fc-Biotin conjugate (isotype control, non-immune), purified
20007-1-Fc-F	Human IgG Fc-FITC conjugate (isotype control, non-immune), purified
20007-1-Fc-HP	Human IgG Fc-HRP conjugate (isotype control, non-immune), purified
20007-1-HP	Human IgG-HRP Conjugate (isotype control)
20007-2	Human IgM, purified (isotype control)
20007-2-10	Human IgM purified (isotype control)
20007-2-MU	Human IgM, mu Chain, Human Plasma, native (isotype control)

**20007-1-FAB Human-IgG-Fab**

**150903SV**

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