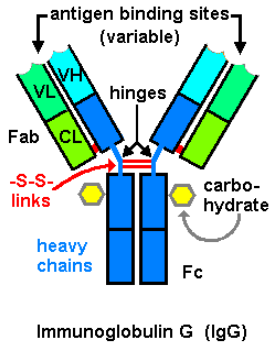


Product Data Sheet

Goat Anti-Human IgG (Fc) Antibodies and Conjugates

Cat#10116-UL Goat Anti-Human IgG-Fc [F(ab')₂ fragment, adsorbed with mouse and rat], **unlabeled**
Size: 0.25 mg

Cat#10116-HP Goat Anti-Human IgG-Fc [F(ab')₂ fragment, adsorbed with mouse and rat], HRP Conjugate
Size: 0.25 mg



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.

Human serum IgG was used as source of antigen to produce monoclonal antibodies. The resulting antibodies have been extensively purified to remove other contaminating antibodies. This monoclonal antibody (isotype IgG) is specific for human IgG-Fc. Class-specific for human IgG. No allotype restriction. Fc region specific. Relatively high affinity. No cross-reactivity with human IgA, IgM or IgE. No cross-reactivity with bovine, mouse or rabbit IgG. Purified anti-human IgG-Fc was labeled with highly purified preparation of calf intestinal alkaline phosphatase, HRP, Biotin or FITC.

Form and Storage

Cat# 10116-UL, unlabeled

The antibody is supplied in PBS, pH 7.4, and 0.05% azide in either **lyophilized** (250 ug) or **liquid** form (250 ug/250 ul, or see lot sp. conc on the vial). Reconstitute powder in PBS in 0.1 ml to prepare 1 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.

Cat# 10419, HRP-conjugate

Purified antibody was coupled to HRP (RZ>3.0) using proprietary 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. Reconstitute powder in water to prepare stock solution 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).

References: 1. Jefferis, R et al. (1985) Immunol. Lett. 10, 223-252; 2. Goldbalt, D et al. (1993) J Immunol. Methods. 166, 281-285; 3. Hamilton, R et al (1993) J Immunol. Methods. 158, 107-122.

Related Material available for ADI

Human IgA, IgG, IgM, and IgE ELISA kits

10116-Human-IgG-Fc-HRP 160927SV