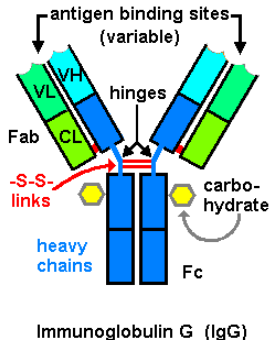


Product Data Sheet

Mouse Monoclonal Anti-Human IgG (Fc) Antibody

□ **Cat#** 10118-UL Mouse Monoclonal Anti-Human IgG (Fc) IgG, unlabeled **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# 10118-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.

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.

MSDS: The product contains natural purified proteins in a buffer containing 0.1% or less sodium azide. MSDS can be consulted for these items. Please note that although the product is defined as not hazardous, it is still advisable to follow prudent laboratory practices when handling laboratory reagents.

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, diagnostic, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals.

Related Material available for ADI

Human IgA, IgG, IgM, and IgE ELISA kits

10118-UL-Ms-Mono-Anti-Human-IgG-Fc
161222SV