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Recombinant Mouse IgG1 Fc

货号：PC51855

产品描述

Recombinant Mouse Immunoglobulin G1 Fc is produced by our Mammalian expression system and the target gene encoding Pro99-Lys324 is expressed.

产品别称

g gamma-1 chain C region; IGHG1

偶联

Unconjugated

分子量

25.9 KDa

表观分子量

30 KDa, reducing conditions

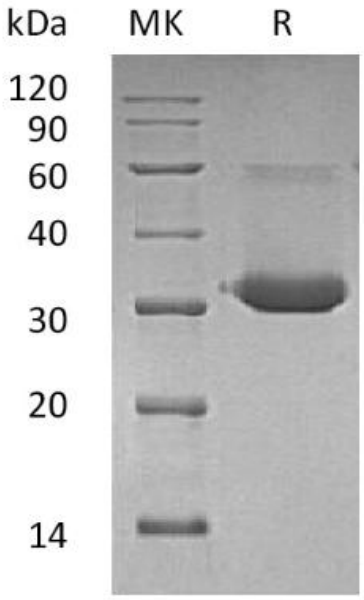
剂型描述

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

内毒素

< 1 EU/μg as determined by LAL test.

纯度-SDS-PAGE



Greater than 85% as determined by reducing SDS-PAGE.

复溶

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100μg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

运输条件

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

保存条件

Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt.

Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.

产品背景

As a monomeric immunoglobulin that is predominately involved in the secondary antibody response and the only isotype that can pass through the human placenta, Immunoglobulin G (IgG) is synthesized and secreted by plasma B cells. IgG antibodies protect the body against the pathogens by agglutination and immobilization, complement activation, toxin neutralization, as well as the antibody-dependent cell-mediated cytotoxicity (ADCC). IgG tetramer contains two heavy chains (50 kDa) and two light chains (25 kDa) linked by disulfide bonds, that is the two identical halves form the Y-like shape. IgG is digested by pepsin proteolysis into Fab fragment (antigen-binding fragment) and Fc fragment ("crystallizable" fragment). IgG1 is most abundant in serum among the four IgG subclasses (IgG1, 2, 3 and 4) and binds to Fc receptors (FcγR) on phagocytic cells with high affinity.

仅供科研或生产使用，不可直接应用于人体。