

LY6G Antibody

LY6G, Rat Anti Mouse Antibody
ABM0450

Product Overview

Name LY6G Antibody

Description

LY6G, Rat Anti Mouse Antibody

Immunogen

Ly-6G-transfected cell line.

Synonyms

Lymphocyte antigen 6G, Ly-6G, Ly-6G.1, Ly6g, Gr1, Gr-1.

Introduction

Myeloid differentiation antigen Gr1 (Ly6G) is a GPI-anchored protein, which is briefly expressed on monocytes in the bone marrow. The level of the Ly6G expression in the bone marrow completely correlates with granulocyte differentiation and maturation. Ly6G ligation on murine neutrophils inhibits neutrophil recruitment, thus providing the first evidence of a function for the Ly6G molecule. Ly6G is seen primarily on neutrophils, also in a subgroup of eosinophils, differentiating pre-monocytes and plasmacytoid dendritic cells.

Formulation

1mg/ml in PBS (after reconstitution).

Solubility

Reconstitute with H₂O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

Applications

Flow cytometry, immunohistochemistry, cell depletion. This antibody recognizes only Ly-6G which is expressed on most myeloid cells in the bone marrow and all peripheral granulocytes. For flow cytometry, use 10 µl/10⁶ cells. Exact titer for cell depletion in vivo (cytotoxicity) should be determined by the investigator.

Type

Rat Anti Mouse Monoclonal.

Clone

YRmLy-6G.

Ig Subclass

Rat IgG2a.

Purification Method

Protein A column.

Storage Procedures

In lyophilized form, for long periods, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C.

Available Conjugates

This antibody is also available unconjugated and conjugated to FITC.

Shipping Conditions

Antibody is shipped lyophilized at ambient temperature.

Precautions

LY6G Antibody is for research use only and not for use in diagnostic or therapeutic procedures.