



Product Data Sheet

Cat # AB-16510

Rat Anti-Mouse CD4 IgG

Size: 100ug

Synonyms:

gp55, HLA-2, L3 / T4, Ly-4, T cell antigen T4/LEU3, T4, sCD4, CD4mut.

Type:

Rat Anti Mouse Monoclonal

Introduction:

CD4 is a cell-surface glycoprotein found on the mature helper T cells and immature thymocytes, as well as on monocytes and macrophages. (Some cytotoxic T cells have CD4 protein as well.) Normally, about 65% of T cells in the blood are CD4+ (have CD4 protein protruding from their membrane). A mature T cell with either have CD4 or CD8, but not both. During one stage of development T cells develop CD4 and CD8 receptors, but they eventually are differentiated in the thymus and become more specialized.

Immunogen:

Purified mouse LN CD4+ T cells

Ig Subclass:

Rat IgG; Clone: mCD4, purified by ion exchange column, 1mg/mL in PBS after reconstitution, Reconstitute with of H2O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use. Cytotoxic and staining antibody. For staining, use 10 µl/106 cells. Titer for cytotoxicity should be determined by the investigator

Storage Procedures:

Lyophilized: store at 4oC. After reconstitution, if not intended for use within a month, aliquot and store at -20oC. Two years lyophilized, one month in solution at 4oC.

Available Conjugates:

This antibody is also available conjugated to biotin and FITC

Usage:

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage..

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