



Product Data Sheet

Cat # AB-16710

Mouse Anti-Human CD4-biotinylated IgG

Size: 100ug

Synonyms:

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

Type:

Mouse Anti Human 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 human PBL CD4+ T cells

Ig Subclass:

Mouse IgG2b, Clone: hCD4, purification 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. Blocking and staining antibody. Blocks blinding of HIV to CD4. For staining, use 10 ml/10⁶ cells. Titer for blocking T cell activation should be determined by the investigator.

Storage Procedures:

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

Available Conjugates:

This antibody is also available conjugated to 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 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage..

Rev. 100930V