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Rat anti-Mouse CD4 Monoclonal Antibody Datasheet

Product Name: Rat anti-Mouse CD4

Clone No.: JXYT4

Catalogue No.: MO-L40026

Quantity: 0.5 mg/vial

Description: Rat monoclonal antibody to mouse cluster of differentiation 4 (CD4) antigen

Product Type: Primary antibody

Purification: Protein G affinity purified

Target Protein: Murine T-cell surface antigen CD4 marker

Immunogen: Mouse T-lymphocytes

Specificity: Reactive with murine T-cell surface antigen CD4 marker that is expressed by the helper/inducer subset of mouse T cells.

Species Reactivity: React with mouse CD4. Cross reaction with human T-cells was not found.

Host / Isotype: Rat, IgG2b

Formulation: Lyophilized from a solution in 0.01M PBS pH7.2

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20°C

Research Area: Immunology

Background: CD4 is a glycoprotein surface marker expressed by T helper cells, regulatory T cells and some memory T cells, B cells, monocytes, macrophage and dendritic cells. CD4 assists the communication of T-cells with antigen presentation cells by binding to MHC class II on the surface of antigen presenting cells. CD4 also arguments T cell activation by associating with T cell receptor and assisting signal transduction through its intra-cellular domain. Human immunodeficiency virus (HIV) inhibits immunity by entering lymphocytes through CD4 receptor and destroying these cells.

Applications: Indirect ELISA

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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