

# Anti-CD4 Rabbit Monoclonal Antibody (RM345)

CATALOG NO.: A1852-50 50 µL.

**BACKGROUND DESCRIPTION:** The OKT4 monoclonal antibody specifically binds to the CD4 receptor for the human immunodeficiency virus (HIV). CD4 is a 59 kDa single-chain transmembrane glycoprotein that expressed on the surface of most of the thymocytes, T-helper cells, and in low levels on monocytes and macrophages. CD4 is a co-receptor in the antigen-induced T cell activation (together with the MHC class II). The OKT4 and the RPA-T4 monoclonal antibodies recognize different epitopes of CD4 and they do not exhibit cross-block binding.

**ANTIBODY TYPE:** Monoclonal

**CLONE:** RM345

**HOST/ISOTYPE:** Rabbit / Rabbit IgG.

**IMMUNOGEN:** A peptide corresponding to the N-terminus of human CD4.

**PURIFICATION:** Protein A affinity purified from an animal origin-free culture supernatant.

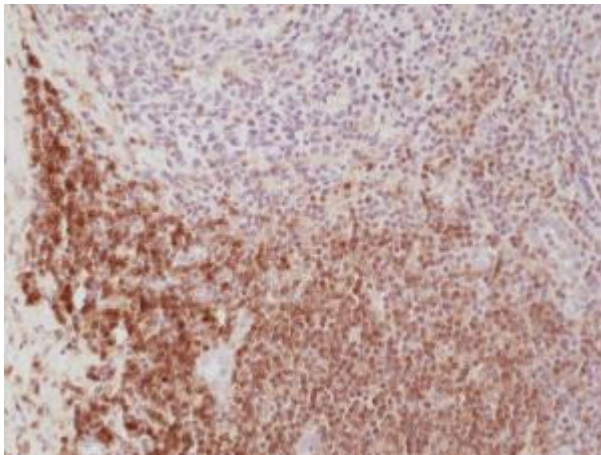
**FORM:** Liquid.

**FORMULATION:** 50% Glycerol/PBS with 1% BSA and 0.09% sodium azide

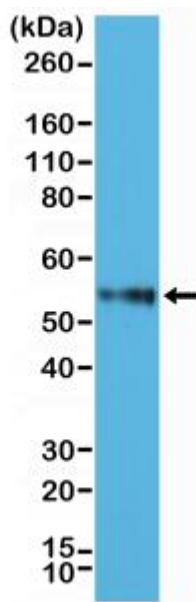
**SPECIES REACTIVITY:** Human.

**STORAGE CONDITIONS:** Store at -20°C; Avoid repeated freeze / thaw cycles.

**APPLICATIONS AND USAGE:** Western Blot: 1:2000-1:5000.  
IHC: 1:200-1:500.



Immunohistochemical staining of formalin fixed and paraffin embedded human Tonsil tissue section using anti-CD4 rabbit monoclonal antibody (Clone RM345) at a 1:500 dilution.



Western Blot of Jurkat cell lysate using anti-CD4 rabbit monoclonal antibody (Clone RM345) at a 1:2500 dilution.

**RELATED PRODUCTS:**

Anti-CD4 (Clenoliximab), Human IgG4 Antibody (Cat# A1091).  
Anti-Human CD4 FITC Antibody (OKT4) (Cat# A1582).  
CD4 Antibody (Cat # 6937).

***FOR RESEARCH USE ONLY! Not to be used on humans.***