

Datasheet for ABIN6941059

**anti-CD6 antibody**

## 4 Images

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## Overview

Quantity:	100 µg
Target:	CD6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD6 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

Immunogen:	Human rheumatoid synovial T cell line ST-1
Clone:	3F7B5
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	CD6
Alternative Name:	CD6 ( <a href="#">CD6 Products</a> )
Background:	CD6 is a type I transmembrane glycoprotein that contains a 24-amino acid signal sequence, three extracellular scavenger receptor cysteine-rich (SRCR) domains, a membrane-spanning domain and a 44-amino acid cytoplasmic domain. The CD6 glycoprotein is tyrosine

## Target Details

phosphorylated during TCR-mediated T cell activation. CD6 shows significant homology to CD5. CD6 is present on mature thymocytes, peripheral T cells and a subset of B cells. Antibodies to CD6 are used to deplete T cells from bone marrow transplants to prevent graft versus host disease.

Molecular Weight: 90-130kDa

Gene ID: 923

UniProt: [P30203](#)

## Application Details

Application Notes: Positive Control: MOLT-4, CCRF-CEM, Jurkat cells, Tonsil.  
Known Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

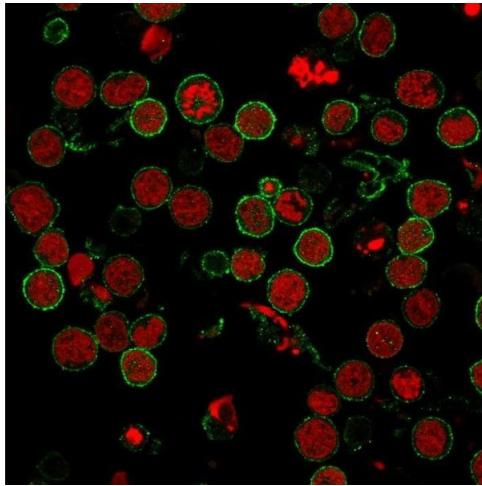
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

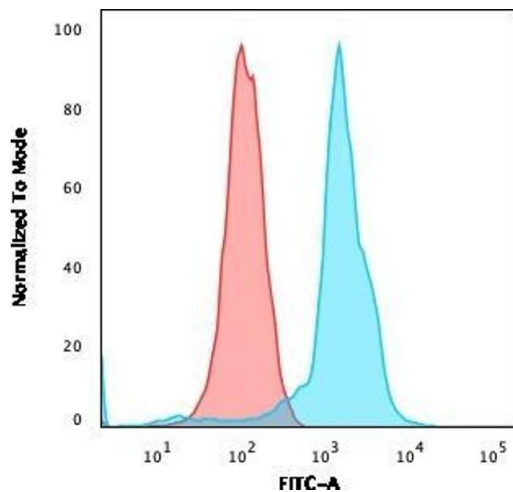
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



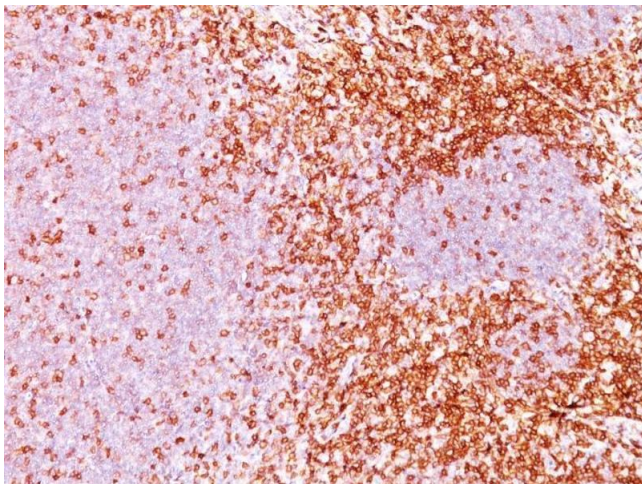
#### Immunofluorescence

**Image 1.** Immunofluorescence staining of MOLT-4 cells using CD6 MAb (3F7B5) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.



#### Flow Cytometry

**Image 2.** Flow Cytometric Analysis of MOLT-4 cells. CD6 Monoclonal Antibody (3F7B5) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



#### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Tonsil (10X) stained with CD6 Monoclonal Antibody (3F7B5).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6941059.