Datasheet for ABIN6941062

anti-CD6 antibody

3 Images

Go to Product page

Overview

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

Product Details

Immunogen:	CD8+ cytotoxic T-cell clone
Clone:	SPV-L14
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CD6
Alternative Name:	CD6 (CD6 Products)
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 phosphorylated during TCR-mediated T cell activation. CD6 shows significant homology to

Target Details

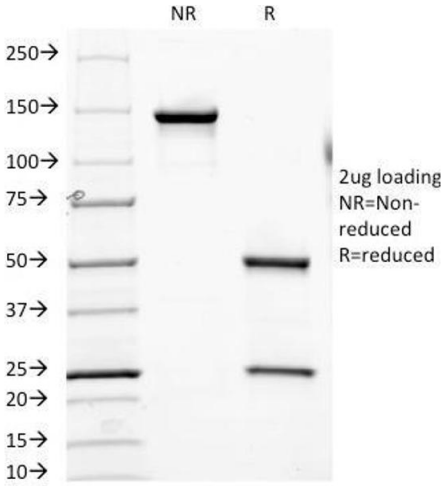
	CD5. CD6 is present on mature thymocytes, peripheral T cells and a subset of B cells. Antibodies to CD6 are used to deplete T cells from bone marrow transplants to prevent graft versus host disease.
Molecular Weight:	90-130kDa
Gene ID:	923
UniProt:	P30203

Application Details

Application Notes:	Positive Control: CCRF-CEM, Jurkat cells, Tonsil. Known Application: Flow Cytometry (1-2 µg/mL), ,Immunofluorescence (0.5-1 µg/mL), ,Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

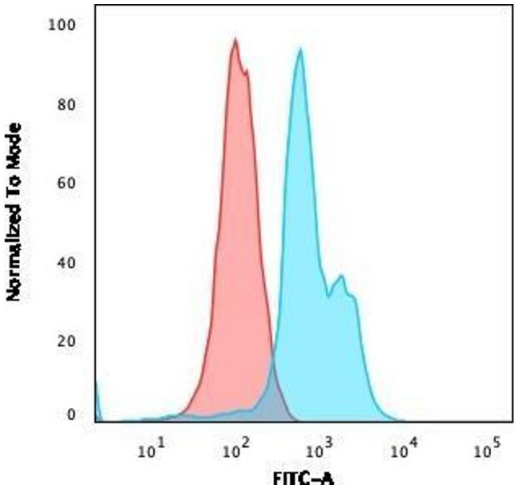
Handling

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



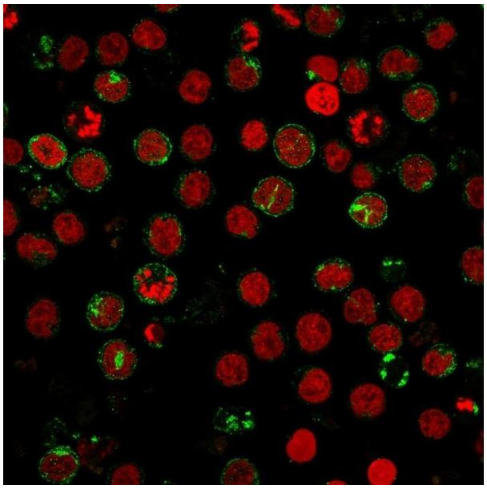
SDS-PAGE

Image 1. SDS-PAGE Analysis Purified CD6 Mouse Monoclonal Antibody (SPV-L14).



Flow Cytometry

Image 2. Flow Cytometric Analysis of MOLT-4 cells. CD6 Mouse Monoclonal Antibody (SPV-L14) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



Immunofluorescence

Image 3. Immunofluorescence staining of MOLT4 cells using CD6 Mouse Monoclonal Antibody (SPV-L14) followed by goat anti-Mouse IgG conjugated to CF488 (green). Nuclei are stained with Reddot.