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## Datasheet for ABIN6257049 anti-CD6 antibody (Internal Region)

2 Images



### Overview

Quantity:	100 μL
Target:	CD6
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC)

## Product Details

Immunogen:	A synthesized peptide derived from human CD6, corresponding to a region within the internal amino acids.
lsotype:	lgG
Specificity:	CD6 Antibody detects endogenous levels of total CD6.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink <sup>TM</sup> Coupling Resin (Thermo Fisher Scientific).

## Target Details

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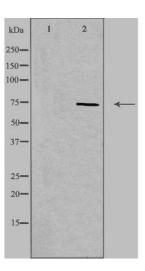
Target Details		
Alternative Name:	CD6 (CD6 Products)	
Background:	Description: Cell adhesion molecule that mediates cell-cell contacts and regulates T-cell	
	responses via its interaction with ALCAM/CD166 (PubMed:15048703, PubMed:15294938,	
	PubMed:16352806, PubMed:16914752, PubMed:24945728, PubMed:24584089). Contributes to	
	signaling cascades triggered by activation of the TCR/CD3 complex (PubMed:24584089).	
	Functions as costimulatory molecule, promotes T-cell activation and proliferation	
	(PubMed:15294938, PubMed:16352806, PubMed:16914752). Contributes to the formation and	
	maturation of the immunological synapse (PubMed:15294938, PubMed:16352806). Functions	
	as calcium-dependent pattern receptor that binds and aggregates both Gram-positive and	
	Gram-negative bacteria. Binds both lipopolysaccharide (LPS) from Gram-negative bacteria and	
	lipoteichoic acid from Gram-positive bacteria (PubMed:17601777). LPS binding leads to the	
	activation of signaling cascades and down-stream MAP kinases (PubMed:17601777). Mediates	
	activation of the inflammatory response and the secretion of pro-inflammatory cytokines in	
	response to LPS (PubMed:17601777).	
	Gene: CD6	
Molecular Weight:	73 kDa	
Gene ID:	923	
UniProt:	P30203	
Application Details		
Application Notes:	WB 1:500-1:1000, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 mg/mL	
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

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## Handling

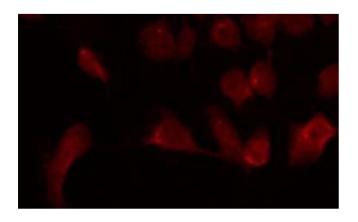
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

## Images



#### Western Blotting

**Image 1.** Western blot analysis of extracts from Jurkat cells, using CD6 antibody. The lane on the left is treated with the antigen-specific peptide.



#### Immunofluorescence (fixed cells)

**Image 2.** ABIN6275621 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25<sub>j</sub>ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37<sub>j</sub>ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibod

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