

For Research Use Only

# CD6 Polyclonal antibody

Catalog Number: 16763-1-AP



## Basic Information

### Catalog Number:

16763-1-AP

### Size:

150ul, Concentration: 260 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG10336

### GenBank Accession Number:

BC078669

### GeneID (NCBI):

923

### UNIPROT ID:

P30203

### Full Name:

CD6 molecule

### Calculated MW:

668 aa, 72 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:20-1:200

## Applications

### Tested Applications:

IHC, ELISA

### Species Specificity:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

IHC : human tonsillitis tissue,

## Background Information

CD6 is a type I transmembrane glycoprotein of 105-130 kDa that belongs to the scavenger receptor cysteine-rich superfamily (PMID: 21880988). It is composed of an extracellular region, which consists of three tandem SRCR domains, a transmembrane region, and a cytoplasmic tail devoid of intrinsic catalytic activity but harboring several phosphorylatable residues suitable for intracellular signal transduction (PMID: 38139340; 23711376). CD6 is expressed by T cells, medullary thymocytes, a subset of B cells and NK cells, and in some cells of the brain (PMID: 1919444; 21178331). CD6 plays a role in lymphocyte activation, proliferation, and survival processes via interaction with its endogenous ligands.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

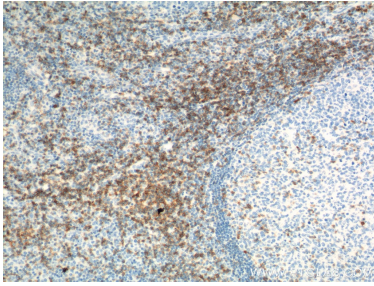
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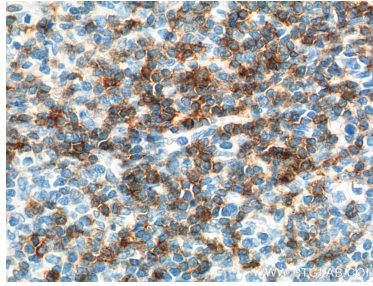
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16763-1-AP (CD6 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 16763-1-AP (CD6 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).