

## **CD6 Polyclonal Antibody**

YT0771 Catalog No:

Reactivity: Human; Mouse

**Applications:** WB;ELISA

CD6 **Target:** 

Fields: >>Cell adhesion molecules

**Gene Name:** CD6

**Protein Name:** T-cell differentiation antigen CD6

**Human Gene Id:** 923

**Human Swiss Prot** 

No:

**Mouse Swiss Prot** 

No:

Q61003

P30203

Immunogen: The antiserum was produced against synthesized peptide derived from human

CD6. AA range:250-299

CD6 Polyclonal Antibody detects endogenous levels of CD6 protein. **Specificity:** 

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.

The antibody was affinity-purified from rabbit antiserum by affinity-**Purification:** 

chromatography using epitope-specific immunogen.

**Concentration:** 1 mg/ml

-15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:** 

1/3



**Observed Band:** 73kD

**Cell Pathway :** Cell adhesion molecules (CAMs);

**Background:** This gene encodes a protein found on the outer membrane of T-lymphocytes as

well as some other immune cells. The encoded protein contains three scavenger receptor cysteine-rich (SRCR) domains and a binding site for an activated leukocyte cell adhesion molecule. The gene product is important for continuation of T cell activation. This gene may be associated with susceptibility to multiple sclerosis (PMID: 19525953, 21849685). Multiple transcript variants encoding

different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],

**Function:** function:Involved in cell adhesion. Binds to CD166.,PTM:After T-cell activation,

becomes hyperphosphorylated on Ser and Thr residues and phosphorylated on Tyr residues.,PTM:Contains intrachain disulfide bond(s).,similarity:Contains 3 SRCR domains.,tissue specificity:Expressed by thymocytes, mature T-cells, a

subset of B-cells known as B-1 cells, and by some cells in the brain.,

Subcellular

Cell membrane ; Single-pass type I membrane protein . Detected at the immunological synapse, i.e, at the contact zone between antigen-presenting

dendritic cells and T-cells (PubMed:15294938, PubMed:16352806). Colocalizes with the TCR/CD3 complex at the immunological synapse (PubMed:15294938). .; [Soluble CD6]: Secreted . The origins of the secreted form are not clear, but it

might be created by proteolytic shedding of the ectodomain. .

**Expression:** Detected on thymocytes (PubMed:15294938). Detected on peripheral blood T-

cells (PubMed:15048703, PubMed:16352806). Detected on natural killer (NK) cells (PubMed:16352806). Soluble CD6 is detected in blood serum (at protein level) (PubMed:17601777). Detected in spleen, thymus, appendix, lymph node and peripheral blood leukocytes (PubMed:9013954). Expressed by thymocytes, mature T-cells, a subset of B-cells known as B-1 cells, and by some cells in the

brain.

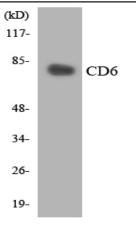
**Sort :** 3626

**No4:** 1

Host: Rabbit

Modifications: Unmodified

## **Products Images**



Western blot analysis of the lysates from HT-29 cells using CD6 antibody.