

## CD180 Polyclonal Antibody

<b>Catalog No :</b>	YT5629
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	CD180
<b>Gene Name :</b>	CD180
<b>Protein Name :</b>	CD180 antigen
<b>Human Gene Id :</b>	4064
<b>Human Swiss Prot No :</b>	Q99467
<b>Mouse Gene Id :</b>	17079
<b>Mouse Swiss Prot No :</b>	Q62192
<b>Immunogen :</b>	Synthesized peptide derived from CD180 antigen at AA range: 221-270
<b>Specificity :</b>	CD180 Polyclonal Antibody detects endogenous levels of CD180 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 75kD

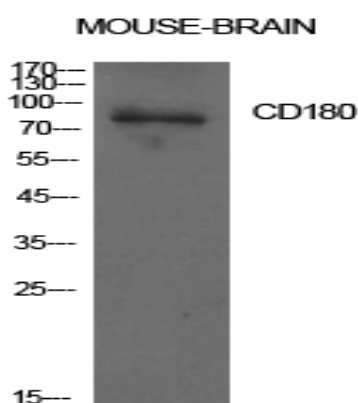
**Background :** CD180 is a cell surface molecule consisting of extracellular leucine-rich repeats (LRR) and a short cytoplasmic tail. The extracellular LRR is associated with a molecule called MD-1 and form the cell surface receptor complex, RP105/MD-1. It belongs to the family of pathogen receptors, Toll-like receptors (TLR). RP105/MD1, by working in concert with TLR4, controls B cell recognition and signaling of lipopolysaccharide (LPS), a membrane constituent of Gram-negative bacteria. [provided by RefSeq, Jul 2008],

**Function :** disease:Decreased expression of LY64 has been shown in systemic lupus erythematosus (SLE). The loss of LY64 is associated with B-cell activation and increased disease activity in SLE patients.,function:May cooperate with MD-1 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS) in B-cells. Leads to NF-kappa-B activation. Also involved in the life/death decision of B-cells.,similarity:Belongs to the Toll-like receptor family.,similarity:Contains 17 LRR (leucine-rich) repeats.,subunit:Binds to MD-1.,tissue specificity:Expressed mainly on mature peripheral B cells. Detected in spleen, lymph node and appendix. Not detected in pre-B and -T cells.,

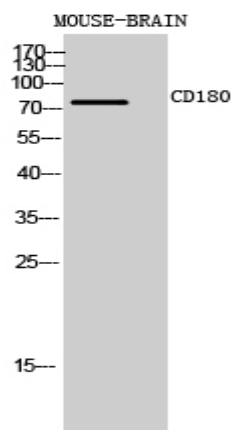
**Subcellular Location :** Cell membrane; Single-pass type I membrane protein.

**Expression :** Expressed mainly on mature peripheral B cells. Detected in spleen, lymph node and appendix. Not detected in pre-B and -T cells.

## Products Images



Western Blot analysis of mouse brain cells using CD180 Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of MOUSE-BRAIN cells using CD180 Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000