

CD180 Polyclonal Antibody

Catalog No :	YT5629
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	CD180
Gene Name :	CD180
Protein Name :	CD180 antigen
Human Gene Id :	4064
Human Swiss Prot No :	Q99467
Mouse Gene Id :	17079
Mouse Swiss Prot No :	Q62192
Immunogen :	Synthesized peptide derived from CD180 antigen at AA range: 221-270
Specificity :	CD180 Polyclonal Antibody detects endogenous levels of CD180 protein.
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: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-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.,

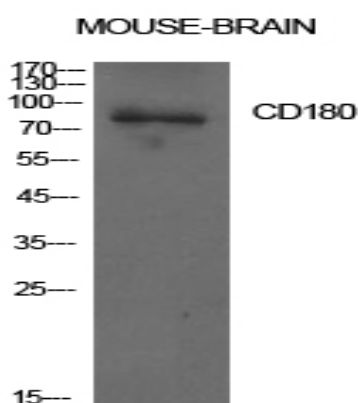
Subcellular Location :

Cell membrane; Single-pass type I membrane protein.

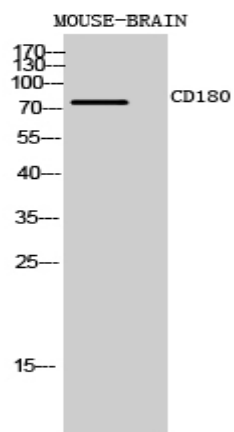
Expression :

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