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CD180 Polyclonal Antibody

Catalog # AP73812

Product Information

Application	WB, E
Primary Accession	Q99467
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74179

Additional Information

Gene ID	4064
Other Names	CD180; LY64; RP105; CD180 antigen; Lymphocyte antigen 64; Radioprotective 105 kDa protein; CD180
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

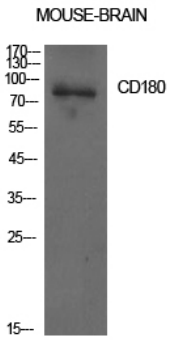
Protein Information

Name	CD180
Synonyms	LY64, RP105
Function	Pattern recognition receptor predominantly expressed on B- cells, dendritic cells, and certain monocytes/macrophages, structurally resembling Toll-like receptors (TLRs) that plays a role in modulating immune responses (PubMed:15852007). While ressembling a TLR, lacks the intracellular TIR (Toll/IL-1R) signaling domain and thus does not directly transduce signals. Instead, modulates immune responses, often in conjunction with other TLRs. For example, in cooperation with MD- 1/LY86, interacts directly with the TLR4 signaling complex, inhibiting its ability to bind microbial ligand (PubMed:15852007).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed mainly on mature peripherical B cells. Detected in spleen, lymph node and appendix. Not detected in pre-B and -T cells

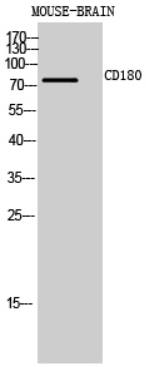
Background

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 (By similarity).

Images



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.