

CD200 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1958a**Specification****CD200 Antibody - Product Information**

Application	E, WB
Primary Accession	P41217
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	31.3kDa KDa

Description

The protein encoded by this gene is a type-1 membrane glycoprotein, which contains two immunoglobulin domains, and thus belongs to the immunoglobulin superfamily. Studies of the related genes in mouse and rat suggest that this gene may regulate myeloid cell activity and delivers an inhibitory signal for the macrophage lineage in diverse tissues. Multiple alternatively spliced transcript variants that encode different isoforms have been found for this gene.

Immunogen

Purified recombinant fragment of human CD200 (AA: Extra(56-257)) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide.

CD200 Antibody - Additional Information

Gene ID 4345

Other Names

OX-2 membrane glycoprotein, CD200, CD200, MOX1, MOX2

Dilution

E~~1/10000

WB~~1/500 - 1/2000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CD200 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD200 Antibody - Protein Information

Name CD200

Synonyms MOX1, MOX2

Function

Costimulates T-cell proliferation. May regulate myeloid cell activity in a variety of tissues.

Cellular Location

Cell membrane; Single-pass type I membrane protein

CD200 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

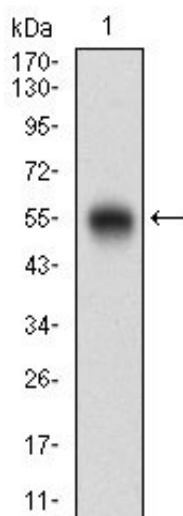
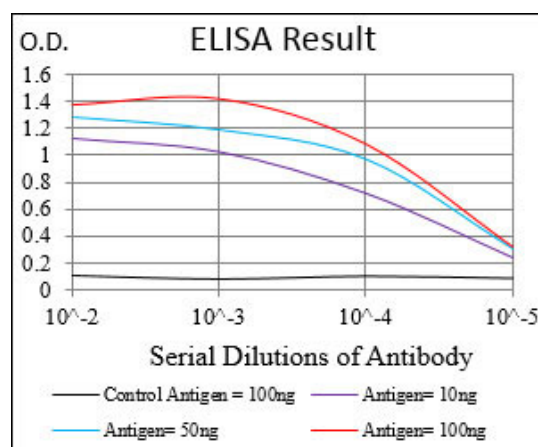


Figure 1: Western blot analysis using CD200 mAb against human CD200 (AA: Extra(56-257)) recombinant protein. (Expected MW is 48.4 kDa)

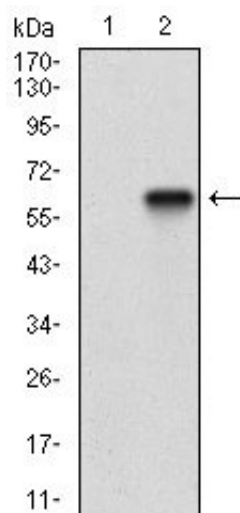


Figure 2: Western blot analysis using CD200 mAb against HEK293 (1) and CD200 (AA: Extra(56-257))-hlgGfc transfected HEK293 (2) cell lysate.

CD200 Antibody - Background

Dynactin 4 could have a dual role in dynein targeting and in ACTR1A/Arp1 subunit of dynactin pointed-end capping. Could be involved in ACTR1A pointed-end binding and in additional roles in linking dynein and dynactin to the cortical cytoskeleton. The dynactin complex binds cargo, such as vesicles and organelles, to cytoplasmic dynein for retrograde microtubule-mediated trafficking and could feasibly be involved in the copper-regulated trafficking of ATP7B. ; ;

CD200 Antibody - References

1. Mod Pathol. 2012 Dec;25(12):1637-43. 2. Am J Surg Pathol. 2011 Jan;35(1):76-83.