

# CD200 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1958a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P41217</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	6E8B11
<b>Isotype</b>	IgG2a
<b>Calculated MW</b>	31264
<b>Description</b>	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.
<b>Immunogen</b>	Purified recombinant fragment of human CD200 (AA: Extra(56-257)) expressed in E. Coli.
<b>Formulation</b>	Purified antibody in PBS with 0.05% sodium azide.

## Additional Information

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<b>Gene ID</b>	4345
<b>Other Names</b>	OX-2 membrane glycoprotein, CD200, CD200, MOX1, MOX2
<b>Dilution</b>	WB~~1/500 - 1/2000 E~~1/10000
<b>Storage</b>	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.
<b>Precautions</b>	CD200 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CD200
<b>Synonyms</b>	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

## 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. ; ;

## References

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

## Images

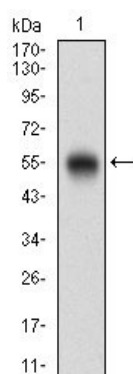


Figure 1: Western blot analysis using CD200 mAb against human CD200 (AA: Extra(56-257)) recombinant protein. (Expected MW is 48.4 kDa)

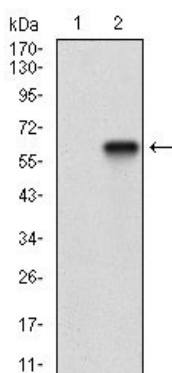


Figure 2: Western blot analysis using CD200 mAb against HEK293 (1) and CD200 (AA: Extra(56-257))-hIgGFc transfected HEK293 (2) cell lysate.

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