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CD200 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1958a

Product Information

Application	WB, E
Primary Accession	P41217
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6E8B11
Isotype	IgG2a
Calculated MW	31264
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.

Additional Information

Gene ID	4345
Other Names	OX-2 membrane glycoprotein, CD200, CD200, MOX1, MOX2
Dilution	WB~~1/500 - 1/2000 E~~1/10000
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.

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

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

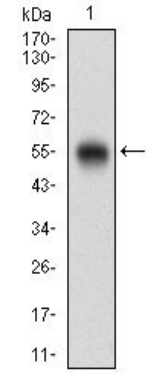

Figure 1: Western blot analysis using CD200 mAb against human CD200 (AA: Extra(56-257)) recombinant protein. (Expected MW is 48.4 kDa)

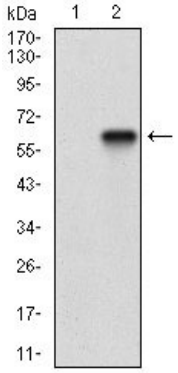

Figure 2: Western blot analysis using CD200 mAb against HEK293 (1) and CD200 (AA: Extra(56-257))-hIgGFc transfected HEK293 (2) cell lysate.

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