

Product Datasheet

Anti-CD171 [L1-14.10] (orb758890)

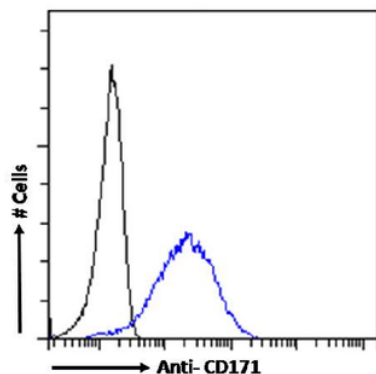
Description	Mouse monoclonal antibody to CD171
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	FC, IF, IHC, IP, WB
Immunogen	This antibody was raised by immunising mice with recombinant L1-Fc fusion protein, consisting of the ectodomain of human L1.
Target	CD171
Preservatives	PBS with 0.02% Proclin 300.
Concentration	1 mg/ml
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Isotype	IgG1
Clonality	Monoclonal
Clone Number	L1-14.10
Purity	Purified
Uniprot ID	P32004
Expiration Date	12 months from date of receipt.

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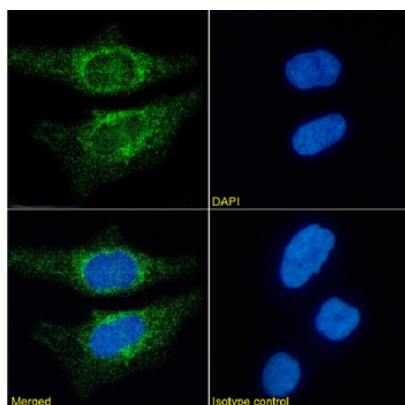
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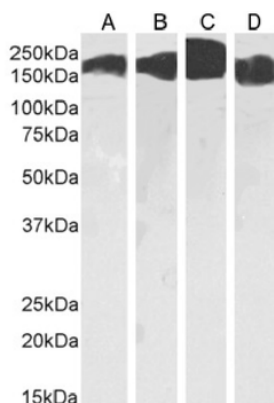
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Flow cytometry using the Anti-CD171 antibody L1-14.10. Paraformaldehyde fixed HeLa cells were stained with anti-unknown specificity antibody (orb256449; isotype control, black line) or the mouse IgG1 version of L1-14.10 (orb758890, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-mouse IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of HeLa cells using anti-CD171 L1-14.10. Immunofluorescence analysis of paraformaldehyde fixed HeLa cells stained with the chimeric mouse IgG version of L1-14.10 (orb758890) at 10 µg/ml followed by Alexa Fluor® 488 secondary antibody (2 µg/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom: merged channels and an isotype control. The isotype control was stained with anti-unknown antibody (orb256449) followed by Alexa Fluor® 488 secondary antibody.



Western Blot using anti-CD171 antibody L1-14.10. HeLa(A) (0.03 µg/ml), Kelly(B) cells (0.01 µg/ml), human brain cerebellum(C) (0.003 µg/ml) and cerebral cortex(D) (0.01 µg/ml) tissue lysate (35 µg protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric mouse IgG version of L1-14.10 (orb758890) before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

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