

## Product Datasheet

### Anti-CD23 [CAT-13.9C1] (orb758911)

<b>Catalog Number</b>	orb758911
<b>Category</b>	Antibodies
<b>Description</b>	Rabbit monoclonal antibody to CD23
<b>Target</b>	CD23
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	Mouse IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Concentration</b>	1 mg/ml
<b>Buffer/Preservatives</b>	PBS with 0.02% Proclin 300.
<b>Purity</b>	Purified
<b>Immunogen</b>	This antibody was raised by immunising mice with with an EBV-transformed human B cell line from a patient with MHC class II deficiency re-expressing class II antigens.
<b>UniProt ID</b>	<b>P06734</b>
<b>Tested applications</b>	IF
<b>Specificity</b>	This antibody recognises CD23, which is a low-affinity receptor for immunoglobulin E (IgE) and CR2/CD21. Has essential roles in the regulation of IgE production and in the differentiation of B-cells.

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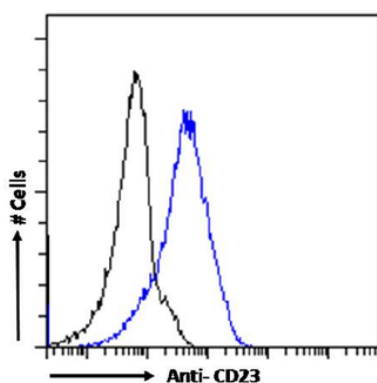
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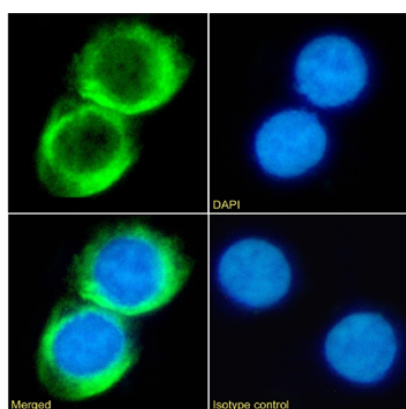
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<b>Clone Number</b>	CAT-13.9C1
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Flow cytometry using the Anti-CD23 antibody CAT-13.9C1. Paraformaldehyde fixed Daudi cells were stained with anti-unknown specificity antibody (orb256458; isotype control, black line) or the rabbit IgG version of CAT-13.9C1 (orb758911, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Immunofluorescence staining of fixed Daudi cells with anti-CD23 antibody CAT-13.9C1. Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix™ coverslips stained with the chimeric rabbit IgG version CAT-13.9C1 (orb758911) at 10 µg/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb758911, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (orb256449) followed by staining with Alexa Fluor® 488 secondary antibody.

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