

Product datasheet

Anti-CD45RC antibody [RP1/12] (APC) ab91011

Overview

Product name	Anti-CD45RC antibody [RP1/12] (APC)
Description	Mouse monoclonal [RP1/12] to CD45RC (APC)
Host species	Mouse
Conjugation	APC. Ex: 645nm, Em: 660nm
Specificity	ab91011 reacts with CD45RC on pre-B lymphocytes, B cells, CD8+ T suppressor/cytotoxic cells and a subset of CD4+ T helper (Th) lymphocytes. It weakly reacts with thymocytes.
Species reactivity	Reacts with: Human
Immunogen	PHA stimulated lymphocytes
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.

Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide Constituent: 1% BSA
Purity	Immunogen affinity purified
Clonality	Monoclonal
Clone number	RP1/12
Isotype	IgG1

Target

Relevance The CD45 family of cell surface glycoprotein antigens exist as a set of isoforms. The patterns of monoclonal antibody recognition of the CD45 phenotypes can be restricted (CD45RA, RB and RC), or broader, such as the CD45 T 200 species. The "restricted" subsets of this group arise as a result of translation of alternatively spliced mRNAs from exons A, B and C (exons 4, 5 and 6), where exons 3-15 encode the extracellular domain of the CD45 molecule. The restricted epitopes are differentially expressed on T and B lymphocytes, including functionally distinct T cells. CD45 (LCA) is a transmembrane phosphotyrosine phosphatase expressed on leucocytes. Myeloid cells do not express the RC isoform.

Cellular localization Membrane; Single-pass type I membrane protein. Membrane raft. Note: Colocalized with DPP4 in membrane rafts.

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