



Catalog: OM245475

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# CD45R antibody

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☐ 50ul ☐ 100ul

## Product profile

Product name	CD45R antibody
Antibody Type	Primary Antibodies
Product description	Mouse monoclonal [IVA103] to CD45RCD45R is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. CD45R contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains. It is specifically expressed in hematopoietic cells and has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. CD45R also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Four alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported.
Immunogen	Cow leukocytes.

## Key Feature

Clonality	Monoclonal
Isotype	IgG1
Clone Number	IVA103
Host Species	Mouse
Tested Application	<b>FACS</b> <b>IP</b>
	<b>FACS: Use at an assay dependant concentration. IP: Use at an assay dependant concentration. Optimal dilutions/concentrations should be determined by the end user.:</b>
Species Reactivity	<b>Bovine</b>
Concentration	1mg/ml (Please refer to the vial label for the specific concentration)
Purification	Affinity purified

## Target Information

<b>Gene Synonyms</b>	CD45
	LY5
	T200
	5788
	PTPRC
	LCA
	CD45R
	P08575
	B220
	126200
	GP180
<b>Target</b>	CD45R
<b>Cellular Localization</b>	Cell Membrane

## Application

<b>Application Notes</b>	<b>FACS: Use at an assay dependant concentration. IP: Use at an assay dependant concentration. Optimal dilutions/concentrations should be determined by the end user.:</b>
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## Additional Information

<b>Form</b>	Liquid
<b>Storage Instructions</b>	Keep as concentrated solution. Store at 4°C short term. For extended storage aliquot and store at -20°C or below. Avoid freeze-thaw cycles.
<b>Storage Buffer</b>	Phosphate buffered saline pH 7.4 containing 15mM sodium azide

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt