

CD45 Polyclonal Antibody

Catalogue No*:	AB0100-500	Price/Unit*:	450.00
Source:	3	Quantity/unit size*:	1.5 mg

Description:	<p>Goat polyclonal antibody to CD45. It is a 180-220 kDa type I transmembrane glycoprotein and a member of the protein tyrosine phosphatase (PTP) family. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. It is expressed in all hematopoietic cells, but highest on lymphocytes. PTPs are known to be signalling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. It has intrinsic tyrosine phosphatase activity and it is essential for T and B cell antigen receptor-mediated activation. 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 signalling. CD45 also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signalling. The cross-linking of CD45 induces apoptosis in lymphocytes.</p> <p>Alternative names: B220, CD45 antigen, CD45R, GP180, L-CA, LCA, leukocyte common antigen, LY5, protein tyrosine phosphatase, PTPRC, receptor type c polypeptide, receptor-type tyrosine-protein phosphatase C, RP11-553K8.4, T200, T200 glycoprotein, T200 leukocyte common antigen antibody.</p>
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Immunogen:	Purified recombinant peptide derived from within residues 1,260 aa to the C-terminus of human CD45 produced in <i>E. coli</i> .
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Specificity:	Using Jurkat cell lysate detects a band 180-220 kDa by Western blot.
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Reactivity:	Reacts against human, rat, mouse, canine and monkey proteins.
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Usage:	Western blot 1:500-1:2,000 Immunofluorescence ND Immunohistochemistry (paraffin) ND Immunohistochemistry (frozen) ND
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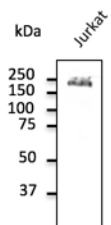
Reactivity Chart

Sample	Western Blot	Immuno-fluorescence	Immuno-Histochemistry (p)	Immuno-Histochemistry (f)
human	+++	ND	ND	ND
mouse	+++	ND	ND	ND
rat	+++	ND	ND	ND
canine	+++	ND	ND	ND
monkey	+++	ND	ND	ND

Storage:	Store at -20 C for long-term storage. Store at 2-8 C for up to one month.
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Special instructions:	Avoid freeze/thaw cycles.
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References:	 For research use only, not for diagnostic use
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Endogenous CD45 detected with at 1/500 dilution; lysate at 100 µg per lane and rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution.

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