

Mouse Monoclonal Antibody to CD45

Catalogue Number	sAP-0247
Target Molecule	<p>Name: CD45</p> <p>Aliases: LCA; LY5; B220; CD45; T200; CD45R; GP180; PTPRC</p> <p>MW: N/A</p> <p>Entrez Gene ID: 5788</p>
Description	CD45, also known as TPRC (protein tyrosine phosphatase, receptor type, C). The protein encoded by this gene 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. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus belongs to receptor type PTP. This gene is specifically expressed in hematopoietic cells. This PTP 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
Immunogen	Purified recombinant fragment of CD45 expressed in E. Coli. ; ;
Reactive Species	Human
Clone	MM4A8A4C7A2;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Biol Chem. 2008 May;389(5):561-8. ; 2. Immunology. 2008 Dec;125(4):558-69.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**