

Datasheet for ABIN4907750
anti-CD45 antibody (AA 1210-1304) (PE)



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1 Publication

Overview

Quantity:	100 µL
Target:	CD45 (PTPRC)
Binding Specificity:	AA 1210-1304
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD45 antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD45
Isotype:	IgG
Specificity:	The antibody is predicted to work with Mouse and Rat samples, but with decreased sensitivity compared to human samples.
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Cow
Purification:	Purified by Protein A.

Target Details

Target:	CD45 (PTPRC)
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Target Details

Alternative Name:	CD45 (PTPRC Products)
Background:	Synonyms: LCA, LY5, B220, CD45, L-CA, T2, CD45R, GP18, Receptor-type tyrosine-protein phosphatase C, Leukocyte common antigen, PTPRC Background: Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN. Dephosphorylates LYN, and thereby modulates LYN activity (By similarity).
Gene ID:	5788
UniProt:	P08575
Pathways:	TCR Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Production of Molecular Mediator of Immune Response , CXCR4-mediated Signaling Events , BCR Signaling

Application Details

Application Notes:	FCM 1:20-100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Publications

Product cited in: Zhan, Liu, Wang: "The Role of MicroRNA-143-5p in the Differentiation of Dental Pulp Stem Cells into Odontoblasts by Targeting Runx2 via the OPG/RANKL Signaling Pathway." in: **Journal of cellular biochemistry**, Vol. 119, Issue 1, pp. 536-546, (2018) ([PubMed](#)).