

Datasheet for ABIN5542495  
**anti-CD45 antibody (AA 928-989)**



[Go to Product page](#)

5 Images

## Overview

Quantity:	100 µL
Target:	CD45 (PTPRC)
Binding Specificity:	AA 928-989
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD45 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), ELISA

## Product Details

Purpose:	PTPRC Antibody
Immunogen:	Purified recombinant fragment of human PTPRC (AA: 928-989) expressed in E. Coli.
Clone:	2C10C11
Isotype:	IgG1
Purification:	Purified antibody

## Target Details

Target:	CD45 (PTPRC)
Alternative Name:	PTPRC ( <a href="#">PTPRC Products</a> )
Background:	Description: The protein encoded by this gene is a member of the protein tyrosine phosphatase

## Target Details

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(PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. 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. 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 signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported.

Aliases: LCA, LY5, B220, CD45, L-CA, T200, CD45R, GP180

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Molecular Weight: 147.3kDa

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Gene ID: 5788

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HGNC: 5788

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UniProt: [P08575](#)

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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

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Application Notes: ELISA: 1/10000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Purified antibody in PBS with 0.05 % sodium azide.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

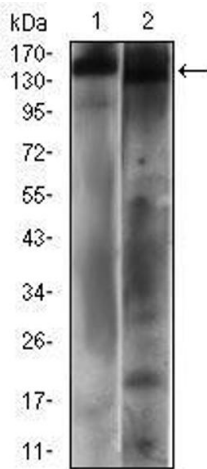
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Storage: 4 °C, -20 °C

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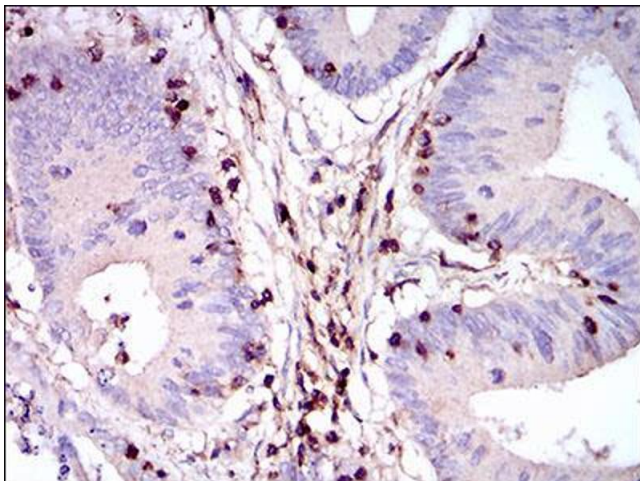
Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Images



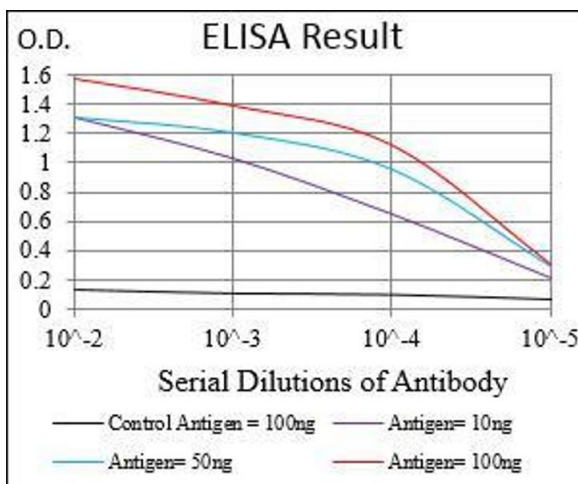
Western Blotting

**Image 1.** Western blot analysis using PTPRC mouse mAb against Hela (1) and A431 (2) cell lysate.



Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffin-embedded colon cancer tissues using PTPRC mouse mAb with DAB staining.



ELISA

**Image 3.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5542495.