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Datasheet for ABIN7193646 anti-CD45 antibody (AA 378-577)

9 Images



Overview

Quantity:	0.1 mg
Target:	CD45 (PTPRC)
Binding Specificity:	AA 378-577
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD45 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (IHC), Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human CD45R (AA: extra 378-577) expressed in E. coli.
Clone:	2H3E2
Isotype:	lgG1
Purification:	purified

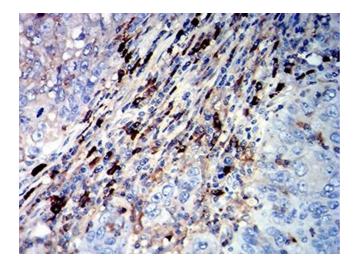
Target Details

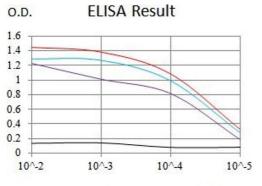
Target:	CD45 (PTPRC)
Alternative Name:	CD45R (PTPRC Products)
Background:	Description: The protein encoded by this gene is a member of the protein tyrosine phosphatase

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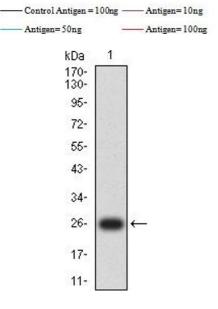
	(PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. This
	PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, 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: PTPRC, LCA, LY5, B220, L-CA, T200, CD45, GP180
Molecular Weight:	147.5 kDa
Gene ID:	5788
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:	WB:1:500 - 1:2000, IHC:1:200 - 1:1000, ICC:1:200 - 1:1000, FCM:1:200 - 1:400, ELISA:1:10000,
Restrictions:	For Research Use only
Handling	
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

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Serial Dilutions of Antibody



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffinembedded cervical cancer tissues using CD45R mouse mAb with DAB staining.

ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Western Blotting

Image 3. Western blot analysis using CD45R mAb against human CD45R (AA: extra 378-577) recombinant protein. (Expected MW is 26 kDa)

Please check the product details page for more images. Overall 9 images are available for ABIN7193646.

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