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Datasheet for ABIN7449553
anti-CD45RO antibody

Overview

Quantity:	100 µL
Target:	CD45RO
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD45RO antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Multiplex Immunofluorescence (mIF)

Product Details

Purpose:	Mouse anti-CD45RO Monoclonal Antibody, Purified [UCHL-1]
Immunogen:	Cultured T-cells from an IL-2-dependent T-cell line (CA1)
Clone:	UCHL-1
Isotype:	IgG

Target Details

Target:	CD45RO
Alternative Name:	CD45RO (CD45RO Products)
Background:	Background: CD45RO is also known as protein tyrosine phosphatase receptor type C (PTPRC). It is a protein tyrosine phosphatase required for T-cell activation through the antigen receptor.

Target Details

CD45RO 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, CD45RO recruits and dephosphorylates SKAP1 and FYN. It also dephosphorylates LYN, and thereby modulates LYN activity (By similarity)[taken from UniProtKB (Entry: P08575)].

Gene ID: 5788

NCBI Accession: [NP_002829](#)

UniProt: [P08575](#)

Application Details

Application Notes: IHC-IF: 1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
IHC: 1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.
ICC: 1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE cell sections.
WB: 05:10:00

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

Buffer: Phosphate Buffered Saline (PBS) pH 8.2 with 0.1 % BSA and 0.09 % 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

Expiry Date: 12 months