

Datasheet for ABIN733283
anti-CD45RO antibody



[Go to Product page](#)

2 Images

Overview

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

Product Details

Immunogen:	Cultured T cells from human IL-2-dependent T-cell line (CA1) prepared from human peripheral blood activated with influenza virus.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	CD45RO
Alternative Name:	CD45RO (CD45RO Products)
Background:	Synonyms: B220, CD 45, CD45, cd45 antigen, ec3.1.3.48, CD45R, GP180, GP180, GP 180, L CA, LCA, L-CA, Leukocyte common antigen, LY5, Protein tyrosine phosphatase receptor type C,

Target Details

Protein tyrosine phosphatase receptor type c polypeptide, protein tyrosine phosphatase, receptor type, C, Receptor-type tyrosine-protein phosphatase C, PTPRC, PTPRC_HUMAN, SCID due to PTPRC deficiency, T200, T200 glycoprotein, T200 leukocyte common antigen, Human homolog of severe combined immunodeficiency due to PTPRC deficiency.

Background: CD45RO is a single chain transmembraneous glycoprotein which represents the low molecular weight isoform of the Leucocyte Common Antigen (LCA). It is expressed on most thymocytes, about 45 % of peripheral blood T cells, virtually all T cells in skin reactive infiltrates, and the majority of T cell malignancies. It is also found on a subset of B cells and on exceptional B cell lymphomas. CD45 is a family of single chain transmembraneous glycoproteins consisting of at least four isoforms (220, 205, 190, 180 kDa) which share a common large intracellular domain. Their extracellular domains are heavily glycosylated. The different isoforms are produced by alternative messenger RNA splicing of three exons of a single gene on chromosome 1. CD45 is expressed on cells of the human hematopoietic lineage (including hematopoietic stem cells) with the exception of mature red cells. It is not detected on differentiated cells of other tissues. It is likely that CD45 plays an important role in signal transduction, inhibition or upregulation of various immunological functions. recognising a common epitope on all of the isoforms are termed CD45 whilst those recognising only individual isoforms are termed CD45RA or CD45RO etc.

Molecular Weight: 180kDa

Gene ID: 5788

Application Details

Application Notes: WB(1:100-500)
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

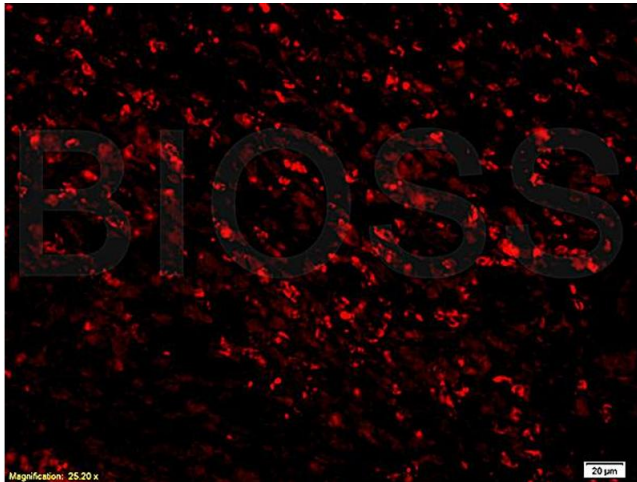
should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

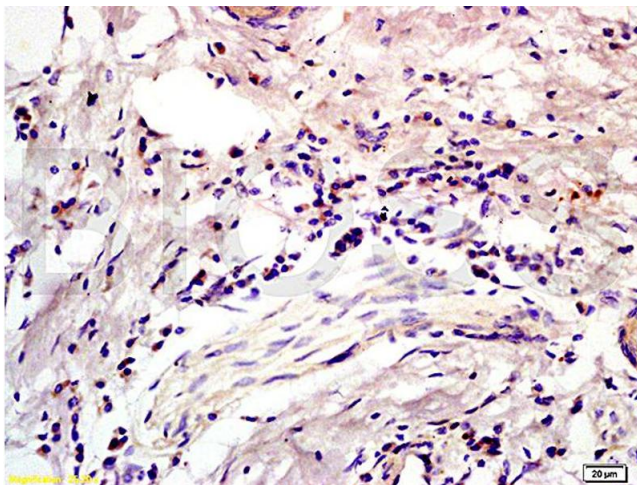
Expiry Date: 12 months

Images



Immunofluorescence

Image 1. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti-CD45RO Polyclonal Antibody, Unconjugated (ABIN733283) at 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, Cy5 conjugated used at 1:200 dilution for



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Anti-CD45RO Polyclonal Antibody, Unconjugated (ABIN733283) at 1:200 followed by conjugation to the secondary antibody and DAB staining