

Mouse anti-Human CD45RO mAb

Catalog No.: A27969

Basic Information

Observed MW**Calculated MW**

136kDa

Category

Primary antibody

Applications

FC, mIHC

Cross-Reactivity

Human

CloneNo number

AMC10000

Background

The protein encoded by this gene is a member of the protein tyrosine phosphatase (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.

Recommended Dilutions

FC 1:500 - 1:1000**mIHC** 1:200 - 1:800

Immunogen Information

Gene ID

5788

Swiss Prot

P08575

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

LCA; LY5; B220; CD45; L-CA; T200; CD45R; GP180; IMD105

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Mouse

Isotype

IgG2a, κ

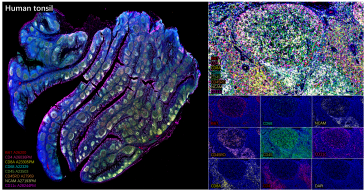
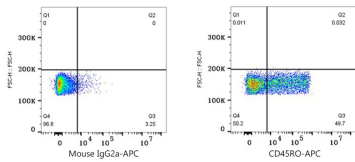
Purification

Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, pH7.3.



Flow cytometry: 1X10⁶ Human PBMC were surface-stained with Mouse IgG2a isotype control (2 µg/mL, left) or Purified Mouse anti-Human CD45RO mAb (A27969, 5 µg/mL, right), followed by APC conjugated goat Anti-mouse pAb staining. Cells in the lymphocyte gate were used for analysis.

The multiplex IHC analysis on paraffin-embedded Human tonsil tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Ki67 Rabbit mAb (A26200, 1:4000) with TSA-TYR-480 (Red), and CD4 Rabbit PolymAb® (A26036PM, 1:400) with TSA-TYR-520 (Light Magenta), and CD8A Rabbit PolymAb® (A23305PM, 1:1000) with TSA-TYR-570 (Yellow), and CD68 Rabbit mAb (A22329, 1:5000) with TSA-TYR-620 (Cyan), and CD45 Rabbit mAb (A23503, 1:1000) with TSA-TYR-690 (Lime Green), and Mouse anti-Human CD45RO mAb (A27969, 1:500) with TSA-TYR-570 (Orange), and NCAM Rabbit PolymAb® (A27193PM, 1:5000) with TSA-TYR-620 (Off-white), and CD11c Rabbit PolymAb® (A28244PM, 1:4000) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 10x objective lens.