

## CD45R monoclonal antibody

Catalog: MB23353

Host: Mouse

Reactivity: Human

### 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.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

147kDa

### Swiss-Prot:

P08575

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC:1/200 - 1/1000 FC:1/200 - 1/400

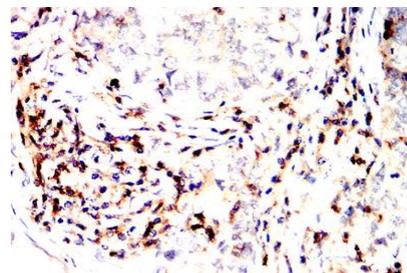
### Storage&Stability:

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

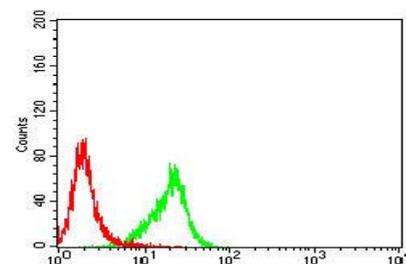
### Isotype:

Mouse IgG2a

### DATA:



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using CD45R mouse mAb with DAB staining.



Flow cytometric analysis of THP-1 cells using CD45R mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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