Elabscience®

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CD45 Polyclonal Antibody

Catalog No.	E-AB-70024	**Reactivity**	M
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	IHC	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.
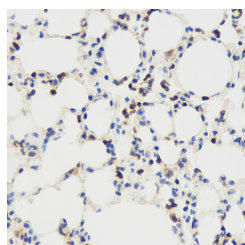
Images
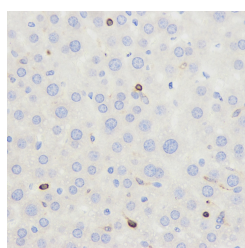
Immunohistochemistry analysis of paraffin-embedded mouse liver using CD45 Polyclonal Antibody at dilution of 1:500.
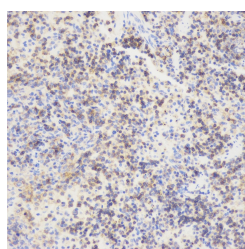
Immunohistochemistry analysis of paraffin-embedded mouse inflammatory spleen using CD45 Polyclonal Antibody at dilution of 1:1000.

Immunohistochemistry analysis of paraffin-embedded mouse lungs using CD45 Polyclonal Antibody at dilution of 1:1000.

Immunogen Information

Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse CD45
Swissprot	P06800
Synonyms	PTPRC, B220, CD45, CD45R, GP180, L-CA, LCA, LY5, T200, protein tyrosine phosphatase, receptor type C

Product Information

Buffer	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
Purify	Affinity purification
Dilution	IHC 1:500-1:1500

Background

CD45,also known as leukocyte common antigen (LCA),B220,and T200,is a 180-240 kD single chain type I membrane glycoprotein. It is a tyrosine phosphatase expressed on the plasma membrane of all hematopoietic cells,except erythrocytes and platelets. CD45 is a signaling molecule that regulates a variety of cellular processes including cell growth,differentiation,cell cycle,and oncogenic transformation. CD45 is one of the best negative selection markers for characterizing and/or isolating human mesenchymal stem cells from bone marrow and other sources. Along with the positive selection markers (such as CD29,CD44,CD90,CD105 and CD166),negative selection markers (such as CD34 and CD45) are used for MSC identification.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.