

Rabbit anti-CD45 antibody, clone SQab1881 (monoclonal)

Clone no. SQab1881

MONOSAN

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Product name	Rabbit anti-CD45 antibody, clone SQab1881 (monoclonal)
Host	Rabbit
Applications	FC, IHC-P, WB
Species reactivity	Other
Conjugate	-
Immunogen	Synthetic peptide corresponding to aa. 300-400 (intracellular) of Human CD45.
Isotype	-
Clonality	Monoclonal
Clone number	SQab1881
Size	100 ul
Concentration	n/a
Format	Purification with Protein A.
Storage buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Storage until expiry date	-20°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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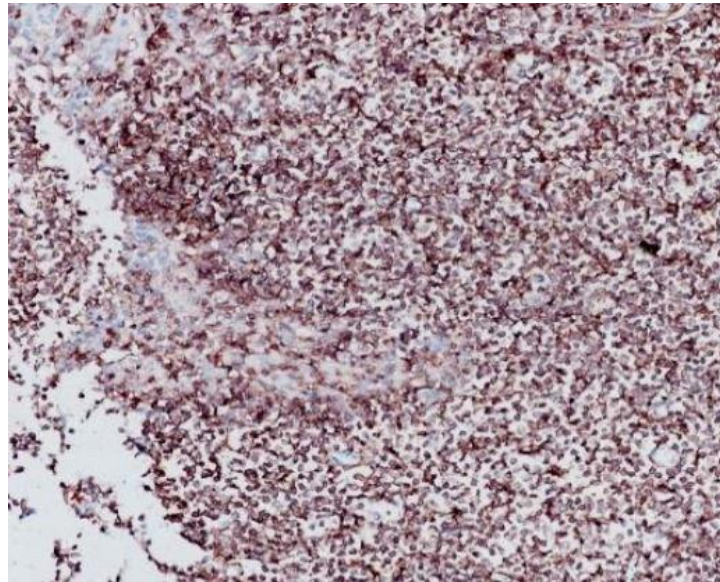
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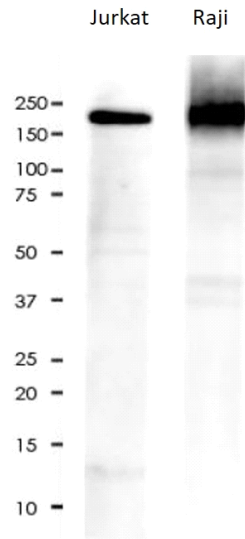
**Additional info**

Application note: WB: The antibody has been tested to get negative results with mouse spleen and rat spleen tissue lysates by WB. IHC-P: Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer pH 9.0.\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. Storage instruction: For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. Background: CD45 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. [provided by RefSeq, Jun 2012]

Images



Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil tissue stained with anti-CD45 antibody [SQab1881] at 1:800 dilution. Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer pH 9.0.



Western blot: 10 µg of Jurkat and Raji cell lysates stained with anti-CD45 antibody [SQab1881] at 1:1000 dilution.

References

1. -
2. -
3. -
4. -
5. -

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