

## CAB24838

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### Product Information

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|---------------------|----------|----------------------|--------|--------------------|-------------|
| <b>Product SKU:</b> | CAB24838 | <b>Gene ID:</b>      | 5788   | <b>Size:</b>       | 20uL, 100uL |
| <b>Clone No:</b>    | -        | <b>Host Species:</b> | Rabbit | <b>Reactivity:</b> | Rat         |

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### Additional Information

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| <b>Observed MW:</b>   | Refer to figures | <b>Conjugate:</b> | Unconjugated |
| <b>Calculated MW:</b> | 130kDa/147kDa    | <b>Isotype:</b>   | IgG          |

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### Immunogen Information

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|------------------------------|--|
| <b>Background:</b>           | 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. |
| <b>Recommended Dilution:</b> | IF/ICC, 1:50 - 1:200   |
| <b>Synonyms:</b>             | PTPRC; B220; CD45; CD45R; GP180; L-CA; LCA; LY5; T200; receptor-type tyrosine-protein phosphatase C; Human CD45RO  |
| <b>Purification Method:</b>  | Affinity purification  |
| <b>Immunogen:</b>            | A synthetic peptide corresponding to a sequence within amino acids 27-120 of human CD45RO(NP_563578.2).  |
| <b>Storage:</b>              | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.  |