

**bs-10599R****[ Primary Antibody ]****BioSS**  
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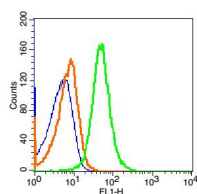
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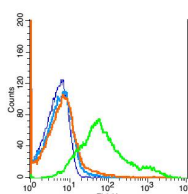
**CD45 Rabbit pAb****— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 5788**SWISS:** P08575**Target:** CD45**Immunogen:** KLH conjugated synthetic peptide derived from human CD45: 451-550/1291. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus belongs to receptor type PTP. This gene is specifically expressed in hematopoietic cells. 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

**Applications:** Flow-Cyt (1µg/Test)**Reactivity:** Mouse, Rat**Predicted MW.:** 143 kDa**Subcellular Location:** Cell membrane**— VALIDATION IMAGES —**

Blank control(Blue): RSC96(fixed with 2% paraformaldehyde (10 min)). Primary Antibody: Rabbit Anti- CD45/FITC Conjugated antibody (bs-10599R /FITC), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG/FITC(orange), used under the same conditions.



Blank control: Mouse spleen cells(blue). Primary Antibody: Rabbit Anti-CD45 antibody(bs-10599R), Dilution: 1µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions. Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.