
CD45 Mouse mAb

Catalog Number: bsm-33052M

Target Protein: CD45

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 14A9

Isotype: IgG1

Applications: WB (1:500-1000), Flow-Cyt (1:50)

Reactivity: Human

Predicted MW: 143 kDa

Entrez Gene: 5788

Swiss Prot: P08575

Purification: affinity purified by Protein G

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Size : 200ug (PBS only)

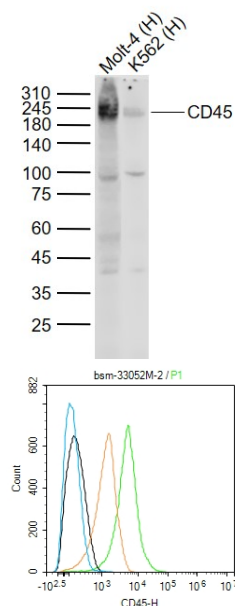
0.01M PBS

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

VALIDATION IMAGES



Sample: Lane 1: Molt-4 (Human) Cell Lysate at 30 ug Lane 2: K562 (Human) Cell Lysate at 30 ug Primary: Anti-CD45 (bsm-33052M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 220 kD Observed band size: 220 kD

Blank control:U937. Primary Antibody (green line): Mouse Anti-CD45 antibody (bsm-33052M) Dilution: 1:50; Secondary Antibody : Goat anti-mouse IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=6.799] Smriti Arora. et al. Antibody mediated cotton-archetypal substrate for enumeration of circulating tumor cells and chemotherapy outcome in 3D tumors. Lab Chip. 2022 Feb;; IHC ; Human . 35266489

[IF=6.1] Xue Lulu. et al. Transplantation of human placental chorionic plate-derived mesenchymal stem cells for repair of neurological damage in neonatal hypoxic-ischemic encephalopathy. NEURAL REGEN RES. 2023 Dec;;10.4103/1673 IF ; Human . 10.4103/1673-5374.390952