

Anti-CD45RB (B-Cell Marker) PTPRC Monoclonal Antibody

Catalog Number: M00555

About PTPRC

CD45R, also designated CD45 and PTPRC, has been identified as a transmembrane glycoprotein, broadly expressed among hematopoietic cells. Multiple isoforms of CD45R are distributed throughout the immune system according to cell type. These isoforms arise because of alternative splicing of exons 4, 5, and 6. The corresponding protein domains are characterized by the binding of monoclonal antibodies specific for CD45RA (exon 4), CD45RB (exon 5), CD45RC (exon 6) and CD45RO (exons 4 to 6 spliced out). The variation in these isoforms is localized to the extracellular domain of CD45R, while the intracellular domain is conserved. CD45RB is expressed on mature B-lymphocytes and the majority of lymphomas and leukemias of B-cell origin.

Overview

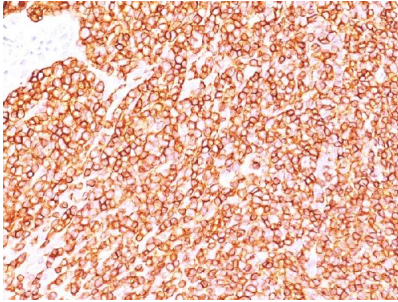
Product Name	Anti-CD45RB (B-Cell Marker) PTPRC Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-CD45RB (B-Cell Marker) PTPRC Monoclonal Antibody (Catalog # M00555). Tested in Flow Cytometry, IF, WB, IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	Flow Cytometry, IF, IHC, WB
Clonality	Monoclonal Clone: BRA-11; same as BRA-11G
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P08575

Technical Details

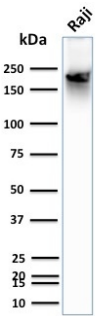
Immunogen	Non-T, non-B CALLA positive ALL cell line REH (Leucocyte Workshop IV and V)
Predicted Reactive Species	Bovine, Canine, Mouse, Orangutan, Pig, Rabbit, Rat, Deer
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa
Form	Liquid

Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Flow Cytometry (1-2ug/million cells)</p> <p>Immunofluorescence (1-2ug/ml)</p> <p>Western Blot (1-2ug/ml)</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p>

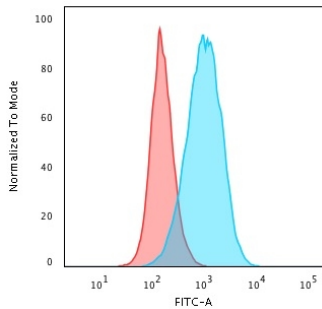
Anti-CD45RB (B-Cell Marker) PTPRC Monoclonal Antibody (M00555) Images



Formalin-fixed, paraffin-embedded human Tonsil stained with Anti-CD45RB Mouse Monoclonal Antibody (BRA-11).



Western Blot analysis of human Raji cell lysate using Anti-CD45RB Mouse Monoclonal Antibody (BRA-11).



Flow Cytometric analysis of PFA-fixed Raji cells using Anti-CD45RB Mouse Monoclonal Antibody (BRA-11) followed by Goat anti-Mouse-IgG-CF488 (Blue); Isotype Control (Red).

3 Publications Citing This Product

1. PubMed ID: 26109430, Detecting cell-in-cell structures in human tumor samples by E-cadherin/CD68/CD45 triple staining
2. PubMed ID: 20682645, Lipoxin A4 and its analogue suppress the tumor growth of transplanted H22 in mice: the role of antiangiogenesis
3. PubMed ID: 26681001, Effect of human umbilical cord mesenchymal stem cells on endometriotic cell proliferation and apoptosis

Visit bosterbio.com/anti-cd45rb-b-cell-marker-antibody-m00555-boster.html to see all 3 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-CD45RB (B-Cell Marker) PTPRC Monoclonal Antibody