

CD200 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA2730
Host	Mouse
Isotype	Mouse IgG2a
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human CD200 (AA:Extra(31-232)) expressed in E. Coli.
Mol wt	31.3kDa
Species reactivity	Others
Clonality	Monoclonal
Recommended application	ICC,FCM
Concentration	N/A
Full name	N/A
Synonyms	MRC;MOX1;MOX2;OX-2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a type I membrane glycoprotein containing two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. This gene is expressed by various cell types, including B cells, a subset of T cells, thymocytes, endothelial cells, and neurons. The encoded protein plays an important role in immunosuppression and regulation of anti-tumor activity. Alternative splicing results in multiple transcript variants encoding different isoforms.

Recommended Dilution

WB: 1:500 - 1:2000

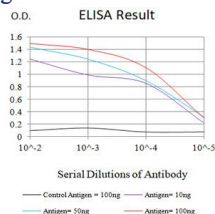
ICC: 1:200 - 1:1000

FCM: 1:200 - 1:400

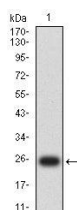
ELISA: 1:10000

Not yet tested in other applications.

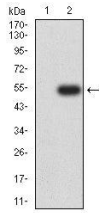
Images



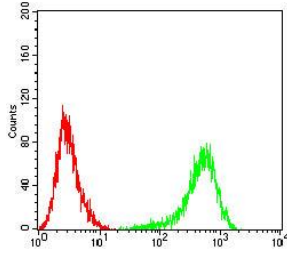
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



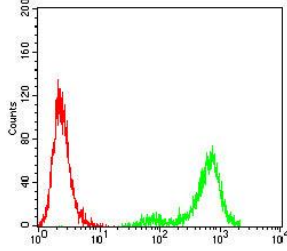
Western blot analysis using CD200 mAb against human CD200 (AA:Extra(31-232)) recombinant protein. (Expected MW is 25 kDa)



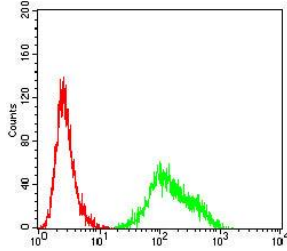
Western blot analysis using CD200 mAb against HEK293-6e (1) and human CD200 (AA:Extra(31-232))-hIgGFc transfected HEK293-6e (2) cell lysate.



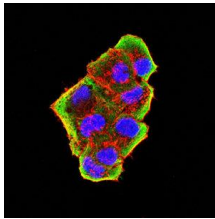
Flow cytometric analysis of Raji cells using CD200 mouse mAb (green) and negative control (red).



Flow cytometric analysis of K562 cells using CD200 mouse mAb (green) and negative control (red).



Flow cytometric analysis of THP-1 cells using CD200 mouse mAb (green) and negative control (red).



Immunofluorescence analysis of HeLa cells using CD200 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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