BT LAB
Bioassay Technology Laboratory
Optimize Your Research

CD43 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4222
Host	Mouse
Isotype	Mouse IgG1
Size	100μL, 50μL
Immunogen	Purified recombinant fragment of human CD43(AA: extra(20-169)) expressed in E. Coli.
Mol wt	40.3kda
Species reactivity	Others
Clonality	Monoclonal
Recommended application	WB,IHC,FCM
Concentration	N/A
Full name	N/A
Synonyms	LSN;SPN;GALGP;GPL115

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

Background

This gene encodes a highly sialylated glycoprotein that functions in antigen-specific activation of T cells, and is found on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. It contains a mucin-like extracellular domain, a transmembrane region and a carboxy-terminal intracellular region. The extracellular domain has a high proportion of serine and threonine residues, allowing extensive O-glycosylation, and has one potential N-glycosylation site, while the carboxy-terminal region has potential phosphorylation sites that may mediate transduction of activation signals. Different glycoforms of this protein have been described. In stimulated immune cells, proteolytic cleavage of the extracellular domain occurs in some cell types, releasing a soluble extracellular fragment. Defects in expression of this gene are associated with Wiskott-Aldrich syndrome.

Recommended Dilution

WB: 1:500 - 1:2000

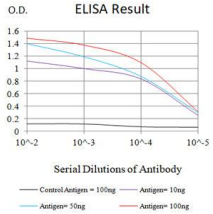
IHC-p: 1:200-1:1000

FCM: 1:200-1:400

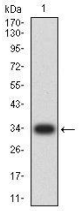
ELISA: 1:10000

Not yet tested in other applications.

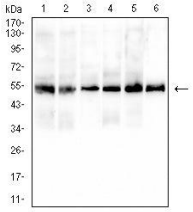
Images



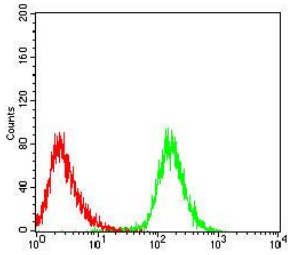
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



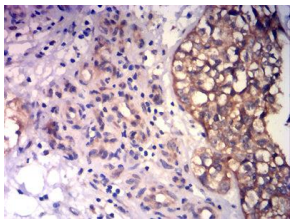
Western blot analysis using CD43 mAb against human CD43(AA: extra(20-169)) recombinant protein. (Expected MW is 33.3kDa)



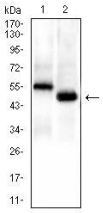
Western blot analysis using CD43 mouse mAb against HEK293-6E (1), HEK293 (2),K562 (3), MOLT4 (4), Jurkat (5),and PANC-1 (6) cell lysate.



Flow cytometric analysis of Jurkat cells using CD43 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD43 mouse mAb with DAB staining.



Western blot analysis using CD43 mAb against HEK293-6E (1) and CD43(AA: extra(20-169))-hIgGFc transfected HEK293-6E (2) cell lysate.

Storage

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

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