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BTLA

Purified Mouse Monoclonal Antibody Catalog # AO2698a

Product Information

Application WB, IHC, ICC, E

Primary Accession

Reactivity

Host

Clonality

Clone Names

Isotype

Mouse IgG1

Calculated MW

Q7Z6A9

Human

Mouse

Mouse

Monoclonal

7B8B4

Mouse IgG1

32834

Immunogen Purified recombinant fragment of human BTLA (AA: extra 31-157) expressed

in E. Coli.

Formulation Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID 151888

Other Names BTLA1; CD272

Dilution WB~~ 1/500 - 1/2000 IHC~~1:100~500 ICC~~ 1/100 - 1/500 E~~ 1/10000

Storage Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

PrecautionsBTLA is for research use only and not for use in diagnostic or therapeutic

procedures.

Protein Information

Name BTLA {ECO:0000303 | PubMed:12796776, ECO:0000312 | HGNC:HGNC:21087}

Function Inhibitory receptor on lymphocytes that negatively regulates antigen

receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed: 12796776, PubMed: 14652006, PubMed: 15568026, PubMed: 18193050). May interact in

cis (on the same cell) or in trans (on other cells) with TNFRSF14 (PubMed:<u>19915044</u>). In cis interactions, appears to play an immune regulatory role inhibiting in trans interactions in naive T cells to maintain a resting state. In trans interactions, can predominate during adaptive immune response to provide survival signals to effector T cells (PubMed:<u>19915044</u>).

References

1.Blood. 2013 Aug 8;122(6):922-31. 2.Breast Cancer Res Treat. 2010 Feb;120(1):195-202.

Images

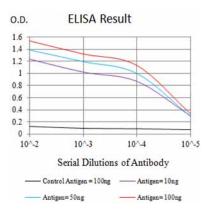


Figure 1:Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

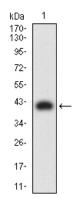


Figure 2:Western blot analysis using BTLA mAb against human BTLA (AA: extra 31-157) recombinant protein. (Expected MW is 41 kDa)

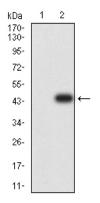
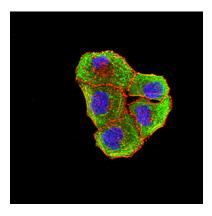


Figure 3:Western blot analysis using BTLA mAb against HEK293 (1) and BTLA (AA: extra 31-157)-hIgGFc transfected HEK293 (2) cell lysate.

Figure 4:Immunofluorescence analysis of Hela cells using BTLA 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)



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.