

Anti-BTLA Antibody (2R520)

Product Details

Ig Type:	Human IgG4
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2R520
Purification:	Affinity-chromatography

Applications

Verified Activity:	<ol style="list-style-type: none">1. The Binding Activity of Human BTLA with Anti-BTLA Recombinant Antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human BTLA at 2 µg/mL can bind Anti-BTLA recombinant antibody, the EC50 is 11.56-13.00 ng/mL.2. Untransfected Jurkat cells surface (green line) and transfected Human BTLA Jurkat stable cells surface (red line) were stained with anti-BTLA antibody (2µg/1*10⁶ cells), washed and then followed by APC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.3. Untransfected CHO-K1*10⁶ cells, washed and then followed by FITC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.
Application:	ELISA,FCM
Recommended	FCM:1:20-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human BTLA Protein
Antigen Species:	Human
Gene ID:	151888
Uniprot ID:	Q7Z6A9
Synonyms:	CD272;BTLA1
Biology Area:	Immunology, Stem cells

Research Background

Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2. May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481