

Anti-BTLA / CD272 Reference Antibody (icatolimab)

Recombinant Antibody

Catalog # APR10079

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q7Z6A9
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	32834

Additional Information

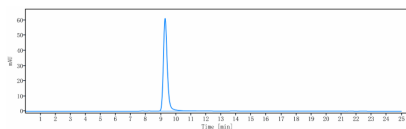
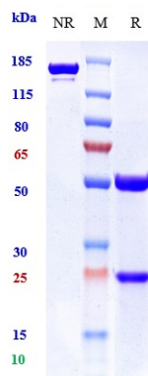
Target/Specificity	BTLA / CD272
Endotoxin Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Protein Information

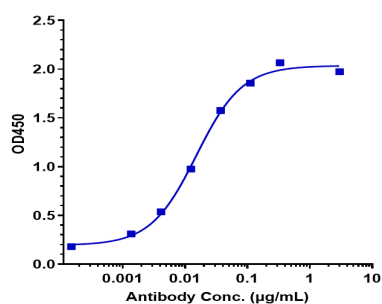
Name	BTLA {ECO:0000303 PubMed:12796776, ECO:0000312 HGNC:HGNC:21087}
Function	Inhibitory receptor on lymphocytes that negatively regulates antigen receptor signaling via PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed: 12796776 , PubMed: 14652006 , PubMed: 15568026 , PubMed: 18193050). May interact in cis (on the same cell) or in trans (on other cells) with TNFRSF14 (PubMed: 19915044). 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: 19915044).
Cellular Location	Cell membrane; Single-pass type I membrane protein

Images

Anti-BTLA / CD272 Reference Antibody (icatolimab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-BTLA / CD272 Reference Antibody (icatolimab) is 96.73%, determined by SEC-HPLC.



Immobilized human BTLA His at 2 ug/mL can bind Anti-BTLA / CD272 Reference Antibody (icatolimab), EC50=0.01515 ug/mL.

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