

Anti-LILRB2 / ILT4 / CD85d Reference Antibody (JTX-8064)

Recombinant Antibody

Catalog # APR10225

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	Q8N423
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG4
Calculated MW	65005

Additional Information

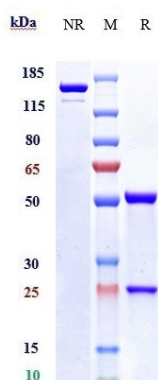
Target/Specificity	LILRB2 / ILT4 / CD85d
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Protein Information

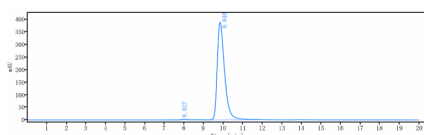
Name	LILRB2 (HGNC:6606)
Function	Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C, HLA-G and HLA-F alleles (PubMed: 11169396 , PubMed: 12853576 , PubMed: 16455647 , PubMed: 20448110 , PubMed: 27859042). Involved in the down-regulation of the immune response and the development of tolerance. Recognizes HLA-G in complex with B2M/beta-2 microglobulin and a nonamer self-peptide (peptide-bound HLA-G-B2M) triggering differentiation of type 1 regulatory T cells and myeloid-derived suppressor cells, both of which actively maintain maternal-fetal tolerance (PubMed: 16455647 , PubMed: 20448110 , PubMed: 27859042). Competes with CD8A for binding to class I MHC antigens. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions (PubMed: 11875462 , PubMed: 12853576 , PubMed: 9548455 , PubMed: 9842885).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in monocytes and at lower levels in myeloid and plasmacytoid dendritic cells. Expressed in tolerogenic IL10-producing dendritic cells (PubMed:20448110). Expressed in myeloid- derived suppressor cells during

pregnancy (PubMed:27859042). Detected at low levels in natural killer (NK) cells. Expressed in B cells

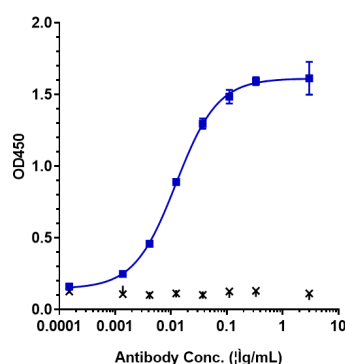
Images



Anti-LILRB2 / ILT4 / CD85d Reference Antibody (JTX-8064) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-LILRB2 / ILT4 / CD85d Reference Antibody (JTX-8064) is more than 98.96%, determined by SEC-HPLC.



Immobilized human LILRB2 His at 2 µg/mL can bind Anti-LILRB2 / ILT4 / CD85d Reference Antibody (JTX-8064), $EC_{50}=0.01229$ µg/mL

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