

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

Recombinant Antibody

Catalog # APR10225

## Product Information

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|--------------------------|----------------------------------------------------------------|
| <b>Application</b>       | Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA |
| <b>Primary Accession</b> | <a href="#">Q8N423</a>                                         |
| <b>Reactivity</b>        | Human                                                          |
| <b>Clonality</b>         | Monoclonal                                                     |
| <b>Isotype</b>           | IgG4                                                           |
| <b>Calculated MW</b>     | 65005                                                          |

## Additional Information

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

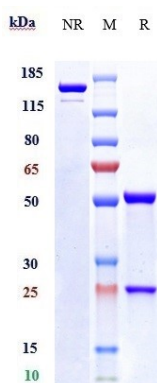
## Protein Information

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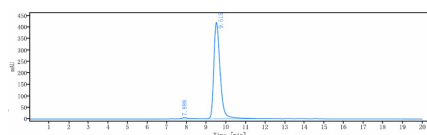
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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>              | LILRB2 ( <a href="#">HGNC:6606</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Function</b>          | Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C, HLA-G and HLA-F alleles (PubMed: <a href="#">11169396</a> , PubMed: <a href="#">12853576</a> , PubMed: <a href="#">16455647</a> , PubMed: <a href="#">20448110</a> , PubMed: <a href="#">27859042</a> ). 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: <a href="#">16455647</a> , PubMed: <a href="#">20448110</a> , PubMed: <a href="#">27859042</a> ). Competes with CD8A for binding to class I MHC antigens. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions (PubMed: <a href="#">11875462</a> , PubMed: <a href="#">12853576</a> , PubMed: <a href="#">9548455</a> , PubMed: <a href="#">9842885</a> ). |
| <b>Cellular Location</b> | Cell membrane; Single-pass type I membrane protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Tissue Location</b>   | 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

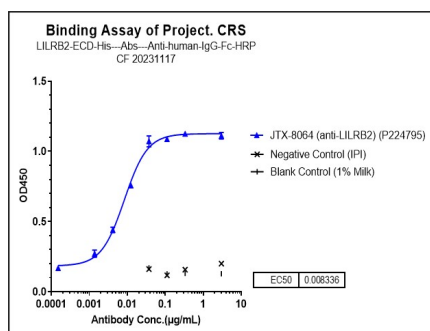
## Images



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



The purity of Anti-LILRB2 / ILT4 / CD85d Reference Antibody (JTX-8064) is 97.81%, determined by SEC-HPLC.



Immobilized human LILRB2 His at 2 µg/mL can bind Anti-LILRB2 / ILT4 / CD85d Reference Antibody (JTX-8064), EC50=0.008336 µg/mL.

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