

## Rabbit anti-Mouse LAIR1 Polyclonal Antibody | anti-LAIR1 antibody

Anti-LAIR1 Antibody, Rabbit Polyclonal

|                               |                       |                            |                                                    |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA257252</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|

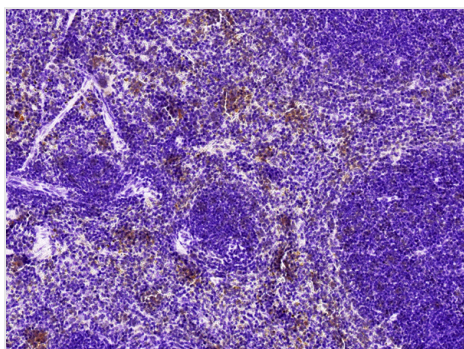
### PRODUCT SYNONYMS

LAIR1; Polyclonal Antibody; Anti-LAIR1 Antibody; Rabbit Polyclonal; LAIR1 Antibody; Rabbit PAb; Antigen Affinity Purified; leukocyte-associated immunoglobulin-like receptor 1; Anti-5133400O11Rik Antibody; Anti-BB115266 Antibody; Anti-D7Bwg0421e Antibody; Anti-Lair-1 Antibody; anti-LAIR1 antibody

### PRODUCT SPECIFICATIONS

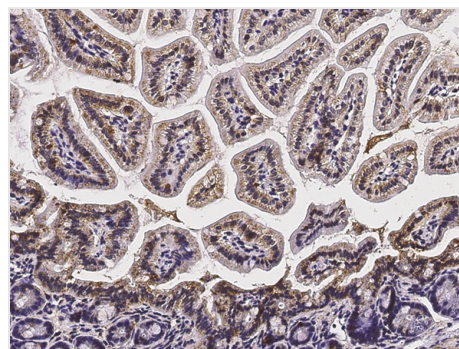
|                                                 |                                                                                                                                                                                                                                                                       |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                      | Mouse                                                                                                                                                                                                                                                                 |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                     | Mouse LAIR1                                                                                                                                                                                                                                                           |
| Purity/Purification                             | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                     | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-LAIR1 antibody | IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                                     |
| Immunogen                                       | Recombinant Mouse LAIR1 protein                                                                                                                                                                                                                                       |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                     | Produced in rabbits immunized with purified, recombinant Mouse LAIR1. LAIR1 specific IgG was purified by Mouse LAIR1 affinity chromatography.                                                                                                                         |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



**IHC (Immunohistochemistry)**

Immunochemical staining of mouse LAIR1 in mouse spleen with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).



**IHC (Immunohistochemistry)**

Immunochemical staining of mouse LAIR1 in mouse intestine with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).

## ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-LAIR1 antibody | Leukocyte-associated Ig-like receptor-1 (LAIR1) is a surface molecule expressed on human mononuclear leukocytes that functions as an inhibitory receptor on human NK cells. In addition to NK cells, LAIR1 is expressed on T cells, B cells, macrophages, and dendritic cells. It is predicted to mediate inhibitory functions based on the presence of immunoreceptor tyrosine-based inhibitory motifs (ITIMs) in its cytoplasmic domain. Cross-linking of LAIR1 on human T cell clones results in inhibition of cytotoxicity only in T cell clones that lack CD28 and can spontaneously lyse certain targets in vitro. Moreover, the cytolytic activity of freshly isolated T cells, which is thought to be mainly due to "effector" T cells, can be inhibited by anti-LAIR1 mAb. Thus, LAIR1 functions as an inhibitory receptor not only on NK cells but also on human T cells. This indicates that LAIR1 provides a mechanism of regulation of effector T cells and may play a role in the inhibition of unwanted bystander responses mediated by Ag-specific T cells. |
| Product Categories/Family for anti-LAIR1 antibody   | <a href="#">ITIM/ITAM Immunoreceptors and Related Molecules</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| References                                          | Meyaard L, et al. (1999) Leukocyte-associated Ig-like receptor-1 functions as an inhibitory receptor on cytotoxic T cells. J Immunol. 162 (10): 5800-4. Meyaard L, et al. (2001) The epithelial cellular adhesion molecule (Ep-CAM) is a ligand for the leukocyte-associated immunoglobulin-like receptor (LAIR). J Exp Med. 194 (1): 107-12. Xu M, et al. (2000) Identification and characterization of leukocyte-associated Ig-like receptor-1 as a major anchor protein of tyrosine phosphatase SHP-1 in hematopoietic cells. J Biol Chem. 275 (23): 17440-6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 164698422                                                     |
| NCBI GeneID                      | 52855                                                         |
| NCBI Accession #                 | NP_001106945.1                                                |
| NCBI GenBank Nucleotide #        | NM_001113474.1                                                |
| UniProt Accession #              | Q8BG84; Q80UN5; Q8BHB6; Q8BRR6; Q8C6N8; Q8CEP5                |
| Molecular Weight                 | 25,128 Da                                                     |
| NCBI Official Full Name          | leukocyte-associated immunoglobulin-like receptor 1 isoform a |
| NCBI Official Synonym Full Names | leukocyte-associated Ig-like receptor 1                       |
| NCBI Official Symbol             | Lair1                                                         |
| NCBI Official Synonym Symbols    | Lair-1; BB115266; D7Bwg0421e; 5133400O11Rik                   |
| NCBI Protein Information         | leukocyte-associated immunoglobulin-like receptor 1           |
| UniProt Protein Name             | Leukocyte-associated immunoglobulin-like receptor 1           |
| UniProt Gene Name                | <b>Lair1</b>                                                  |
| UniProt Synonym Gene Names       | LAIR-1; mLAIR1                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/polyclonal/lair1-antibody-immunohistochemistry-elisa/257252>