

# Rabbit Anti-Human Leukocyte-associated immunoglobulin-like receptor 2 Monoclonal Antibody

**Cat. No.** CAB11573RH    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Rabbit Monoclonal Antibody to Human Leukocyte-associated immunoglobulin-like receptor 2
<b>Species</b>	Human
<b>Source</b>	Rabbit
<b>Antigen Description</b>	<p>Leukocyte-associated immunoglobulin-like receptor 2 (LAIR2), also known as CD306, is a 131 amino acid protein containing one Ig-like C2-type domain. It is expressed as a soluble receptor exhibiting high affinity for various collagen molecules to which it binds in a hydroxyproline-dependent manner. LAIR2 is a member of the immunoglobulin superfamily and was identified by its similarity to LAIR1, an inhibitory receptor present on mononuclear leukocytes. LAIR2 is thought to be secreted and may help modulate mucosal tolerance. As a natural competitor for LAIR1, soluble LAIR2 prevents binding of human LAIR1 to collagens and LAIR1 cross-linking, thereby regulating its inhibitory potential. LAIR2 is suggested to perform an immunoregulatory function.</p>
<b>Specificity</b>	Human LAIR2. No cross-reactivity with human cell lysate ( 293 cell line ) in WB and ELISA.
<b>Immunogen</b>	Recombinant Human LAIR2 Protein
<b>Isotype</b>	Rabbit IgG

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Cross Reactivity</b>	024
<b>Clone</b>	A025
<b>Applications</b>	WB; ELISA
<b>Dilution</b>	Western blot: This antibody can be used at 1-2 µg/mL with the appropriate secondary reagents to detect Human LAIR2 in WB. Using a DAB detection system, the detection limit for Human LAIR2 is approximately 0.125 ng/lane under non-reducing conditions and reducing conditions. Direct ELISA: This antibody can be used at 0.1-0.2 µg/mL with the appropriate secondary reagents to detect Human LAIR2. The detection limit for Human LAIR2 is approximately 0.00245 ng/well.
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, human cell-derived, recombinant Human LAIR2 (rHuman LAIR2;NP_002279.2; Met 1-Pro 152).
<b>Format</b>	0.2 µm filtered solution in PBS with 5% trehalose
<b>Storage</b>	This antibody can be stored at 2-8 °C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -70 °C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	LAIR2 leukocyte-associated immunoglobulin-like receptor 2 [ Homo sapiens ]
<b>Official Symbol</b>	LAIR2
<b>Synonyms</b>	LAIR2; leukocyte-associated immunoglobulin-like receptor 2; leukocyte associated Ig

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like receptor 2; CD306; LAIR-2; leukocyte-associated Ig-like receptor 2; leukocyte-associated Ig-like receptor-2; MGC71634;

**Gene ID**

3904

**mRNA Refseq**

NM\_002288

**Protein Refseq**

NP\_002279

**MIM**

602993

**UniProt ID**


Q6ISS4

**Chromosome  
Location**

19q13.4

**Function**

receptor activity;

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