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

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

SPECIFICATION

Product Overview	Rabbit Monoclonal Antibody to Human Leukocyte-associated immunoglobulin-like receptor 2
Species	Human
Source	Rabbit
Antigen Description	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.
Specificity	Human LAIR2. No cross-reactivity with human cell lysate (293 cell line) in WB and ELISA.
Immunogen	Recombinant Human LAIR2 Protein
Isotype	Rabbit IgG

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Cross Reactivity	024
Clone	A025
Applications	WB; ELISA
Dilution	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.
Preparation	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).
Format	0.2 μm filtered solution in PBS with 5% trehalose
Storage	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

Gene Name	LAIR2 leukocyte-associated immunoglobulin-like receptor 2 [Homo sapiens]
Official Symbol	LAIR2
Synonyms	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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