

Rabbit Monoclonal Antibody to Human LAIR2



Catalog Number: 10868-R024

General Information	
Immunogen:	Recombinant Human LAIR2 Protein (Catalog#10868-H08H)
Clone ID:	024
Ig Type:	Rabbit IgG
Applications:	WB, ELISA
Specificity:	Human LAIR2
Formulation:	0.2 µm filtered solution in PBS with 5% trehalose
Storage:	< -20° C

Preparation

This antibody was obtained from a rabbit immunized with purified, human cell-derived, recombinant Human LAIR2 (rHuman LAIR2; [Catalog#10868-H08H](#); NP_002279.2; Met 1-Pro 152).

Applications

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.

Specificity

Human LAIR2

Storage

This antibody can be stored at 2°C-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°C 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.**

Background

Leukocyte-associated immunoglobulin-like receptor 2 (LAIR2), also known as CD306, is a 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. Accordingly, LAIR2 is suggested to perform an immunoregulatory function.

Reference

1. Meyaard, L. et al., 1997, Immunity. 7:283-290.
2. Meyaard, L. et al., 1999, J. Immunol. 162:5800-5804.
3. Meyaard, L. et al., 2001, J. Exp. Med. 194 (1): 107-112.
4. Meyaard, L., 2003, J Biol Regul Homeost Agents. 17 (4): 330-333.
5. Lebbink, R.J. et al., 2008, J Immunol. 180 (3):1662-1669.
6. Lebbink, R.J. et al., 2009, Matrix Biol. 28 (4):202-210.

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