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Datasheet for ABIN7317737

LAIR2 Protein

Overview

Quantity:	100 µg
Target:	LAIR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human LAIR2/CD306 Protein (Active)
Sequence:	Met 1-Pro 152
Characteristics:	A DNA sequence encoding the human LAIR2 (NP_002279.2) (Met 1-Pro 152) was expressed and purified.
Purity:	> 93 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of HT-29 human colon adenocarcinoma cells. When 5 x 10E4 cells/well are added to recombinant human LAIR2 coated plates (50 µg/ml with 100 µl/well), >30% will adhere after 30 minutes at 37°C. Optimal concentration depends on cell type as well as the application or research objectives.

Target Details

Target:	LAIR2
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Target Details

Alternative Name:	LAIR2/CD306 (LAIR2 Products)
Background:	<p>Background: 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. Accordingly, LAIR2 is suggested to perform an immunoregulatory function.</p> <p>Synonym: Leukocyte-Associated Immunoglobulin-Like Receptor 2, LAIR-2, CD306, LAIR2</p>
Molecular Weight:	14.1 kDa
NCBI Accession:	NP_002279

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 0.7M NaCl, pH 8.0
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>