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Datasheet for ABIN7196816

LAIR2 Protein

Overview

Quantity:	5 µg
Target:	LAIR2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human LAIR2/CD306 Protein, Low Endotoxin
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:	> 94 % as determined by reducing SDS-PAGE.
Endotoxin Level:	5 EU per 1 mg protein as determined by the LAL method. Frozen shipping is required

Target Details

Target:	LAIR2
Alternative Name:	LAIR2/CD306 (LAIR2 Products)
Background:	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

Target Details

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.

Synonym: CD306,LAIR2,MGC71634,XXbac-BCX535A19.6

Molecular Weight:	14.1 kDa
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NCBI Accession:	NP_002279
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, pH 7.4
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. 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.
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