.-online.com antibodies

Datasheet for ABIN7321252 IL-1 beta Protein

Image



Overview

Quantity:	100 µg
Target:	IL-1 beta (IL1B)
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Rat IL-1 beta/IL1B Protein (mature form)(Active)
Sequence:	Val 117-Ser 268
Characteristics:	A DNA sequence encoding the mature form of rat IL1B (Q63264-1) (Val 117-Ser 268) was expressed and purified.
Purity:	> 98 % as determined by SDS-PAGE
Biological Activity Comment:	1. Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells.The ED50 for this effect is typically 30-120 pg/mL.2. Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The EC50 for this effect is typically 20-100ng/mL.

Target Details

Target:	IL-1 beta (IL1B)
Alternative Name:	IL-1 beta/IL1B (IL1B Products)

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN7321252 | 09/09/2023 | Copyright antibodies-online. All rights reserved.

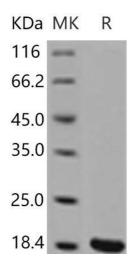
Target Details

Background:	Background: Interleukin-1 beta (IL1 beta or IL1B) also known as catabolin, is a member of the		
	interleukin 1 cytokine family. IL1 is a pleiotropic cytokine. It is involved in the inflammatory		
	response, cell growth, and tissue repair in the cortex. The IL1 superfamily consists of three		
	members, IL1A (IL1 alpha), IL1B (IL1 beta), and IL1 receptor antagonist (IL1Ra). In clinical, it has		
	been reported that Interleukin (IL)-1 may influence Th1 / Th2 immune responsiveness and has		
	been implicated in the establishment of successful pregnancy. Proinflammatory interleukin (IL)-		
	1 gene polymorphisms associated with high levels of IL-1beta activity increase the risk for		
	hypochlorhydria and distal gastric carcinoma. IL1B polymorphisms may be involved in		
	susceptibility to SSc. Moreover, the IL2-384-G allele may be a marker for the limited phenotype		
	of systemic sclerosis (SSc).Immune Checkpoint Immunotherapy Cancer		
	Immunotherapy Targeted Therapy		
	Synonym: IL1B		
Molecular Weight:	17.4 kDa		
Pathways:	NF-kappaB Signaling, Interferon-gamma Pathway, TLR Signaling, Negative Regulation of		
	Hormone Secretion, Cellular Response to Molecule of Bacterial Origin, Carbohydrate		
	Homeostasis, Glycosaminoglycan Metabolic Process, Myometrial Relaxation and Contraction,		
	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process,		
	Autophagy, Cancer Immune Checkpoints, Inflammasome		

Application Details

Restrictions:	For Research Use only			
Handling				
Format:	Lyophilized			
Reconstitution:	Please refer to the printed manual for detailed information.			
Buffer:	Lyophilized from sterile 40 mM Tris, 0.15 M NaCl, pH 7.8			
Storage:	4 °C,-20 °C,-80 °C			
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.			

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN7321252 | 09/09/2023 | Copyright antibodies-online. All rights reserved.



Western	B	otti	ing

Image 1.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN7321252 | 09/09/2023 | Copyright antibodies-online. All rights reserved.