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Datasheet for ABIN1343986

IL-1 beta Protein (AA 117-269)



Overview

Quantity:	10 μg
Target:	IL-1 beta (IL1B)
Protein Characteristics:	AA 117-269
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS)

Product Details

Specificity:	Binds to human IL-1R.
Cross-Reactivity:	Human
Characteristics:	Human IL-1beta (aa 117-269) is untagged.
Purity:	>95 % (SDS-PAGE)
Endotoxin Level:	<0.1EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	IL-1 beta (IL1B)
Alternative Name:	IL-1beta (IL1B Products)
Background:	IL-1beta is produced by activated macrophages. IL-1beta stimulates thymocyte proliferation by

Target Details

	inducing IL-2 release, B-cell maturation and proliferation, and fibroblast growth factor activity. IL-1beta belongs to the IL-1 family of proteins that are involved in the inflammatory response.
	IL-1beta in most situations requires the inflammasome complex to be cleaved and secreted.
Molecular Weight:	~17kDa (SDS-PAGE)
UniProt:	P01584
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

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Activates the NF-kappaB with an ED50 of <5ng/ml.
Restrictions:	For Research Use only
Handling	
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Format:	Lyophilized

Handling	
Format:	Lyophilized
Reconstitution:	Reconstitute with 100 µL sterile water.
Concentration:	Lot specific
Buffer:	Lyophilized. Contains PBS.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C
	Stable for at least 6 months after receipt when stored at -20°C.
Expiry Date:	6 months

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