

Product Datasheet

Human IL-1 beta / IL-1F2 Protein (orb257615)

Description	Human IL-1 beta, premium grade is expressed from E. coli cells. It contains AA Ala 117 - Ser 269 (Accession # P01584-1).
Reactivity	Human
Endotoxins	0.01 EU per µg
Conjugation	Unconjugated
Target	IL-1 beta
Preservatives	PBS, pH7.4
Form/Appearance	Powder
Storage	-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20°C or lower.
Tag	Native
Note	For research use only
Application notes	This protein carries no "tag". The protein has a calculated MW of 17.5 kDa. The protein migrates as 18 kDa±3 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE).
Biologically Active?	Yes
Biological Activity	Human IL-1 RII, Fc Tag captured on CM5 chip via anti-human IgG Fc antibodies surface can bind Human IL-1 beta, premium grade with an affinity constant of 0.622 nM as determined in a SPR assay (Biacore T200) (Routinely tested).
Purity	95%
Source	Human IL-1 beta, premium grade (orb257615) is expressed from E. coli cells. It contains AA Ala 117 - Ser 269 (Accession # P01584-1).

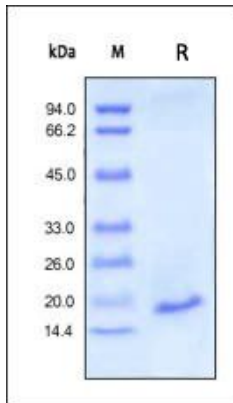
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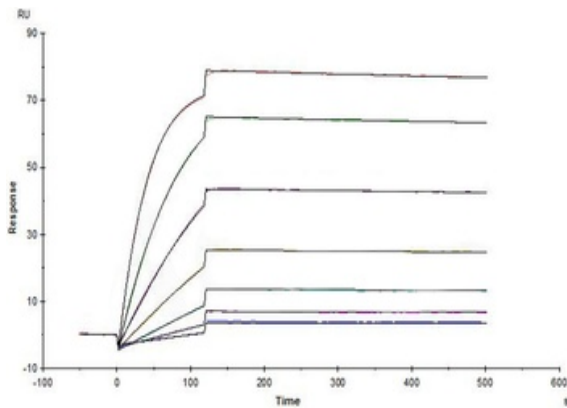
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MW	17.5 kDa
Uniprot ID	P01584
NCBI	NP_000567.1
Expiration Date	6 months from date of receipt.



SDS-PAGE analysis of Human IL-1 beta protein



Human IL-1 RII, Fc Tag (Cat. No. orb257592) captured on CM5 chip via anti-human IgG Fc antibodies surface can bind Human IL-1 beta, premium grade (Cat. No. orb257615) with an affinity constant of 0.622 nM as determined in a SPR assay (Biacore T200) (Routinely tested).

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