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IL12RB1 Protein (AA 24-540) (His tag)

2 Images



Go to Product page

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Quantity:	100 μg
Target:	IL12RB1
Protein Characteristics:	AA 24-540
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL12RB1 protein is labelled with His tag.

Product Details

Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per ug by the LAL method.

Target Details

Target:	IL12RB1
Alternative Name:	IL-12 R beta 1 (IL12RB1 Products)
Background:	The human IL-12 R subunit is a member of the cytokine receptor superfamily and the functional
	high-affinity IL-12R is composed of at least two beta-type cytokine receptor subunits, each
	independently exhibiting a low affinity for IL-12. IL-12 R beta 1 (Interleukin-12 receptor subunit
	beta-1) is also known as IL-12RB1, CD212. Functions as an interleukin receptor which binds
	interleukin-12 with low affinity and is involved in IL12 transduction. Associated with IL12RB2 it

Target Details

forms a functional, high affinity receptor for IL12. Associates also with IL23R to form the
interleukin-23 receptor which functions in IL23 signal transduction probably through activation
of the Jak-Stat signaling cascade.
50.0 kDa

Molecular Weight: 59.0 kDa

NCBI Accession: NP_005526

Pathways: JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of

Immune Effector Process, Activated T Cell Proliferation

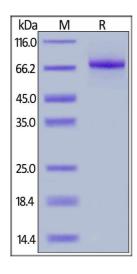
Application Details

Restrictions: For Research Use only

Handling

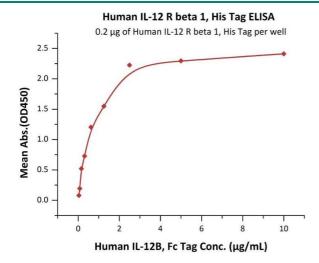
Format:	Lyophilized	
Buffer:	PBS, pH 7.4	
Storage:	-20 °C	

Images



SDS-PAGE

Image 1. Human IL-12 R beta 1, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 %.



ELISA

Image 2. Immobilized Human IL-12 R beta 1, His Tag (ABIN6731331,ABIN6809932) at 2 μ g/mL (100 μ L/well) can bind Human IL-12B, Fc Tag (ABIN2181332,ABIN3071756,ABIN6810015) with a linear range of 0.078-1.25 μ g/mL (QC tested).