

Datasheet for ABIN7274930
IL-20 Protein (AA 25-176) (His tag)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	IL-20 (IL20)
Protein Characteristics:	AA 25-176
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-20 protein is labelled with His tag.

Product Details

Purpose:	Mouse IL-20 Protein
Sequence:	Leu25-Leu176
Characteristics:	Recombinant Mouse IL-20 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Leu25- Leu176.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 14.26 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

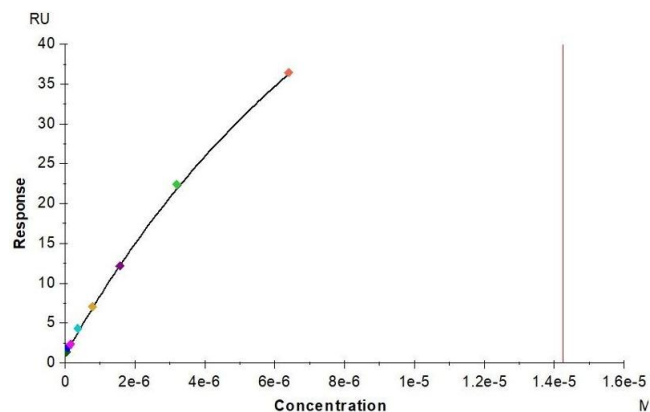
Target:	IL-20 (IL20)
Alternative Name:	IL-20 (IL20 Products)
Background:	Interleukin (IL)-20 is a member of the IL-10 family of cytokines, which has been reported to participate in autoimmune inflammatory diseases. However, the potential role of IL-20 in hepatocellular carcinoma (HCC) progression has not yet been investigated. In addition, IL-20 expression was significantly associated with tumor size, metastasis, TNM stage and poor prognosis in patients with HCC.
Molecular Weight:	19.5 kDa. Due to glycosylation, the protein migrates to 20-22 kDa based on Tris-Bis PAGE result.
UniProt:	Q9JKV9
Pathways:	Protein targeting to Nucleus

Application Details

Restrictions:	For Research Use only
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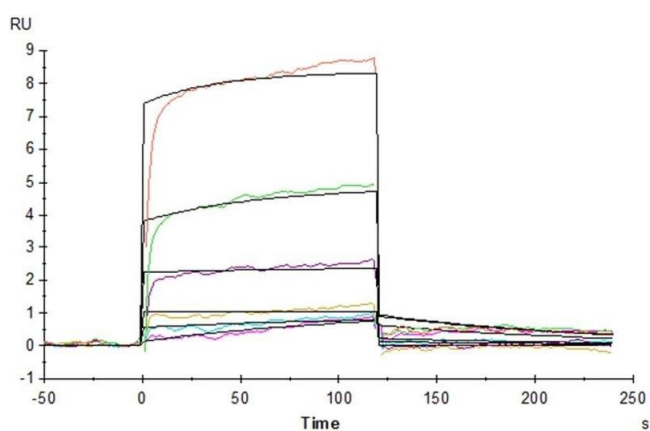
Handling

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in 20 mM PB, 500 mM NaCl (pH 8.0).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



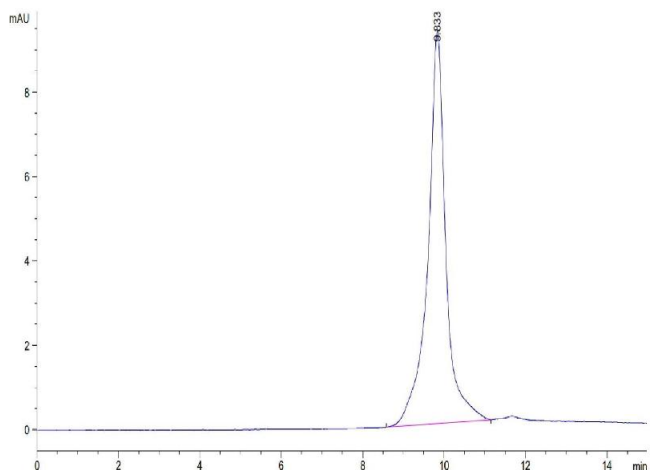
Surface Plasmon Resonance

Image 1. Mouse IL-20RA, hFc Tag captured on CM5 Chip via Protein A can bind Mouse IL-20, His Tag with an affinity constant of 14.26 μ M as determined in SPR assay (Biacore T200).



Surface Plasmon Resonance

Image 2. Mouse IL-20RA, hFc Tag captured on CM5 Chip via Protein A can bind Mouse IL-20, His Tag with an affinity constant of 1.56 μ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Mouse IL-20 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274930.