

# Product Datasheet

## IL-6 Antibody NBP1-77894

Unit Size: 0.1 mg

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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**NBP1-77894**

## IL-6 Antibody

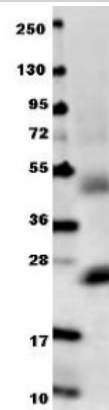
Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute with 100 ul deionized water.
<b>Isotype</b>	IgG
<b>Purity</b>	Ion exchange chromatography
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Target Molecular Weight</b>	24 kDa

Product Description	
<b>Description</b>	This antibody is purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3569
<b>Gene Symbol</b>	IL6
<b>Species</b>	Mouse
<b>Reactivity Notes</b>	Cross reactivity with IL-6 from other sources has not been tested.
<b>Immunogen</b>	Anti-IL-6 is an IgG fraction antibody prepared from rabbit antiserum after repeated immunizations with recombinant mouse IL-6 protein produced in E.coli.

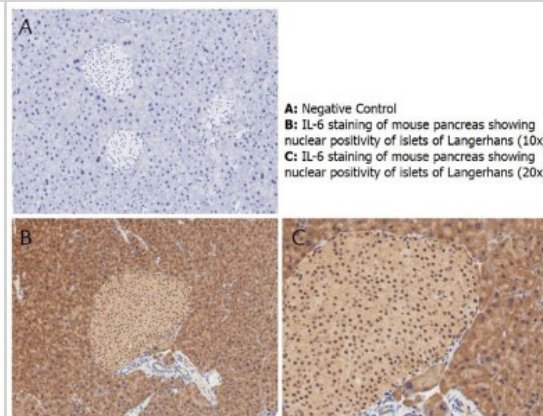
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000, ELISA 1:10000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
<b>Application Notes</b>	Expect a band approximately 21.7 kDa in size corresponding - the mature 187 amino acid mouse IL-6 protein by western blotting in appropriate cell lysate or extract.

## Images

**Western Blot: IL-6 Antibody [NBP1-77894]** - Shows detection of recombinant mouse IL-6 raised in E.coli. Recombinant truncated protein (0.1 ug, 21.7 kDa) was loaded on to an SDS-PAGE gel, and after separation, transferred to nitrocellulose. The membrane was blocked with 1% BSA in TBST for 30 min at RT, followed by incubation with Anti-Mouse IL-6 antibody diluted 1:1,000 in 1% BSA in TBST overnight at 4C. After washes, the blot was reacted with secondary antibody DyLight (TM) 649 conjugated Anti-Rabbit IgG (H&L) (Goat) Antibody diluted 1:20,000 in blocking buffer for 30 min. at RT.



**Immunohistochemistry: IL-6 Antibody [NBP1-77894]** - Shows nuclear positivity of islets of Langerhans (brown staining) and cytoplasmic staining in mouse pancreas at 10x and 20x (B & C). Staining was performed on Leica Bond system using the standard protocol. Formalin fixed/paraffin embedded tissue sections were subjected to antigen retrieval with E1 (Leica Microsystems) retrieval solution for 20 min and then incubated with rabbit anti-mouse IL-6 antibody at 1:50 dilution for 60 minutes. Biotinylated Anti-rabbit secondary antibody was used at 1:200 dilution to detect primary antibody. The reaction was developed using streptavidin-HRP conjugated compact polymer system and visualized with chromogen substrate, 3'3-diamino-benzidine substrate (DAB). The sections were then counterstained with hematoxylin to detect cell nuclei.





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### **Products Related to NBP1-77894**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB7156	Goat anti-Rabbit IgG (H+L) Secondary Antibody
NBP2-24891	Rabbit IgG Isotype Control
NBP2-34901-5ug	Recombinant Human IL-6 Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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