

Product Datasheet

IL-1 beta/IL-1F2 Antibody (A7F7-R) NBP3-32464

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-32464**IL-1 beta/IL-1F2 Antibody (A7F7-R)**

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	A7F7-R
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	31 kDa

Product Description	
Description	Novus Biologicals Mouse IL-1 beta/IL-1F2 Antibody (A7F7-R) (NBP3-32464) is a recombinant monoclonal antibody validated for use in IHC, WB and ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	3553
Gene Symbol	IL1B
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human IL-1 beta/IL-1F2 aa 117-269 / 269. (Uniprot: P01584)

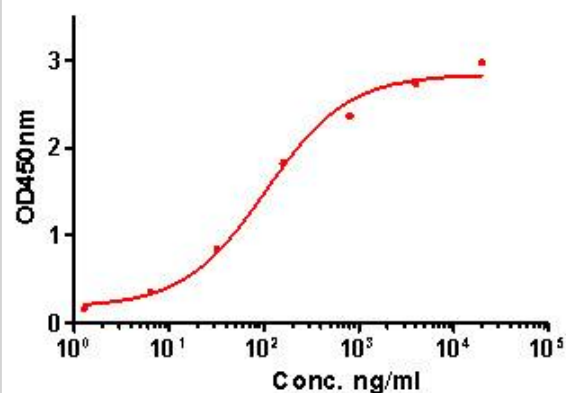
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000-1:2000, ELISA 1:20000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:100



Images

ELISA: IL-1 beta/IL-1F2 Antibody (A7F7-R) [NBP3-32464] - IL-1 beta/IL-1F2 Antibody (NBP3-32464) in indirect ELISA.

Indirect ELISA analysis of IL-1 beta was performed by coating wells of a 96-well plate with 50 μ l per well of IL-1 beta antigen diluted in carbonate/bicarbonate buffer, at a concentration of 1 μ g/mL overnight at 4°C. Wells of the plate were washed, blocked with blocking buffer, and incubated with 50 μ l per well of a mouse IL-1 beta monoclonal antibody starting at a concentration of 20 μ g/mL and serially diluting it to a concentration of 1.28 ng/mL for 2 hours at room temperature. The plate was washed and incubated with 50 μ l per well of an HRP-conjugated goat anti-mouse IgG secondary antibody at a dilution of 1:10,000 for one hour at room temperature. Detection was performed using an Ultra TMB Substrate for 5 minutes at room temperature in the dark. The reaction was stopped with sulfuric acid and absorbances were read on a spectrophotometer at 450 nm.



Western Blot: IL-1 beta/IL-1F2 Antibody (A7F7-R) [NBP3-32464] - Western blot analysis of IL-1 beta/IL-1F2 on different lysates with Mouse anti-IL-1 beta/IL-1F2 antibody (NBP3-32464) at 1/1,000 dilution.

Lane 1: THP-1 cell lysate

Lane 2: THP-1 treated with 80nM TPA overnight then treated with 100ng/mL LPS for 6 hours add 300ng/mL BFA for 3 hours cell lysate

Lysates/proteins at 10 μ g/Lane.

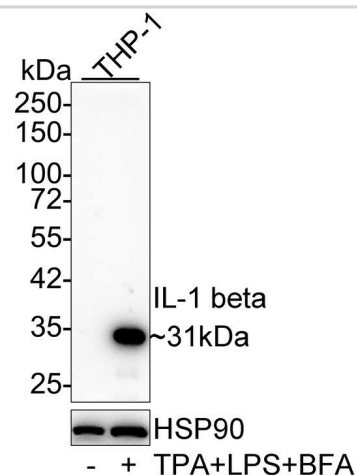
Predicted band size: 31 kDa

Observed band size: 31 kDa

Exposure time: 1 minute;

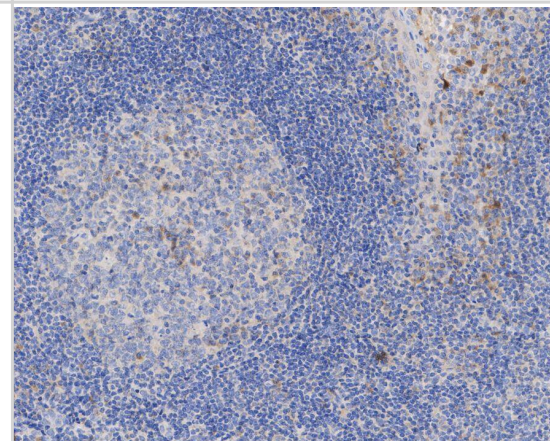
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32464) at 1/1,000 dilution was used in 5% NFDM/TBST at 4 overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



Immunohistochemistry: IL-1 beta/IL-1F2 Antibody (A7F7-R) [NBP3-32464] - Immunohistochemical analysis of paraffin-embedded human tonsil tissue with Mouse anti-IL-1 beta/IL-1F2 antibody (NBP3-32464) at 1/100 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32464) at 1/100 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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Products Related to NBP3-32464

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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