

Product Datasheet

IL-22R alpha 1 Antibody NB100-740-0.025mg

Unit Size: 0.025 mg

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

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NB100-740-0.025mg

IL-22R alpha 1 Antibody

Product Information	
Unit Size	0.025 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	10mM KHPO ₄ , 0.14M NaCl and 1.0 mg/ml BSA

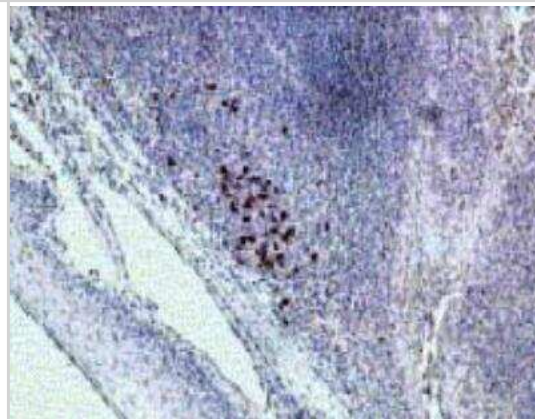
Product Description	
Description	Novus Biologicals Goat IL-22R alpha 1 Antibody (NB100-740) is a polyclonal antibody validated for use in IHC and ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	58985
Gene Symbol	IL22RA1
Species	Human
Specificity/Sensitivity	IL22 Receptor
Immunogen	Synthetic peptide: DSGPEGTPDTVYSIEYKTYGERDWVAKK, corresponding to N terminal amino acids 42-70 of Human IL22 Receptor.

Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Immunohistochemistry-Paraffin: Perform heat mediated antigen retrieval via the pressure cooker method (with citrate buffer pH 6 or pH 8) before commencing with IHC staining protocol. See recommended protocol. The ELISA dilution is a minimum. Optimal dilutions/concentrations should be determined by the end user. Although not tested this antibody may be useful in Immunocytochemistry/immunofluorescence and Immunohistochemistry-Frozen.



Images

Immunohistochemistry: IL-22 R alpha 1 Antibody [NB100-740] -
Immunohistochemistry with CI0152 on paraffin section of human tonsil.



Immunohistochemistry: IL-22 R alpha 1 Antibody [NB100-740] -
Immunohistochemistry with CI0152 on paraffin section of human spleen.



Procedures

Immunocytochemistry/Immunofluorescence Protocol for IL-22RA1 Antibody (NB100-740)

Immunocytochemistry/Immunofluorescence Protocol for IL-22RA1 Antibody (NB100-740):

Immunocytochemistry on frozen tissues section:

Fix the cells cytopun on slides or frozen tissue section in cold acetone (acetone prechilled to -20C) for 2-5 minutes.

Let the slides dry and then block endogenous peroxide activity by treating the slides with peroxide blocker (3% hydrogen peroxide) for 10 minutes.

If the secondary antibody is from rabbit then cells should be incubated with 2% normal rabbit serum in PBS for 30min.

Wash the slide in PBS x 5 then incubate with the antibody at appropriate dilution in PBS containing Ig free 2% BSA or 2% milk for 30-45 minutes at room temperature.

Wash 5 times with PBS and then incubate with secondary HRP-conjugated antibody at a dilution optimized previously for 30 min-1hr at room temperature.

(If using primary cells from lymphoid organs containing B cells as well the secondary antibody must be species specific to minimize staining of B cells by secondary antibody alone).

Wash 5 times with PBS and develop the stain by adding the DAB or AEC and counter stain with hematoxyline.

Immunohistochemistry on Paraffin sections

Paraffin sections of tissues fixed in 10% formalin were used.

Preparation of slides: Place slides in 60 C oven overnight after cutting. Then follow the procedure below:

- 1) xylene 2x10min
 - 2) 100% alcohol 2x10min
 - 3) 95% alcohol 5 min
 - 4) 80% alcohol 5 min
 - 5) rinse in distilled water 2x2 min
 - 6) antigen retrieval if necessary: Sections were treated with antigen retrieval solution (pH 6.0, pH 8.0) and steamed for 20 minutes followed by cooling for 20 minutes.
- Block the endogenous peroxide by incubating the sections with 3% H₂O₂ for 15 minutes at room temperature (RT).

Wash the sections with PBS and incubate with 2% normal rabbit serum at room temperature to block the non-specific binding sites.

Wash the section with PBS and incubate with primary antibody at recommended dilution for 60 minutes at RT.

Wash the slides and incubate at RT with biotinylated rabbit anti-goat IgG.

A key step is blocking with normal rabbit sera prior to incubation with the secondary antibody.



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Products Related to NB100-740-0.025mg

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP1-76724PEP	IL-22R alpha 1 Antibody Blocking Peptide

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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