

Product Datasheet

IL-17/IL-17A Antibody (TC11-18H10) - Azide and BSA Free NBP1-72027

Unit Size: 0.1 mg

Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.

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NBP1-72027

IL-17/IL-17A Antibody (TC11-18H10) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Keep as concentrated solution. Aliquot and store at -20C or below. Avoid multiple freeze-thaw cycles.
Clonality	Monoclonal
Clone	TC11-18H10
Preservative	No Preservative
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	BBS

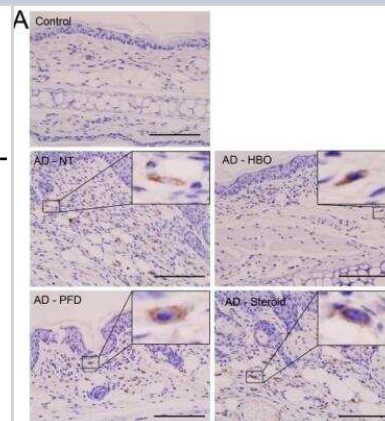
Product Description	
Description	Novus Biologicals Rat IL-17/IL-17A Antibody (TC11-18H10) - Azide and BSA Free (NBP1-72027) is a monoclonal antibody validated for use in IHC, WB, ELISA and Flow. Anti-IL-17/IL-17A Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	3605
Gene Symbol	IL17A
Species	Mouse
Specificity/Sensitivity	Recognizes mouse Interleukin 17, a 32kDa disulfide-linked homodimer consisting of two 136 amino acid chains, which belong to the IL-17 family (classified as IL-17A to IL-17F), and signal through the IL-17 receptor (IL-17R/CDw217).
Immunogen	E. coli-expressed, recombinant mouse IL-17/IL-17A

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, ELISA 1:100 - 1:2000, Immunohistochemistry 10 ug/ml, Immunohistochemistry-Paraffin 10 ug/ml
Application Notes	Use in IHC reported in scientific literature (PMID 27069818)..

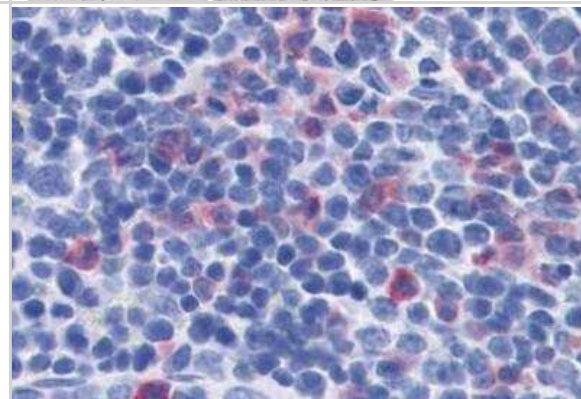


Images

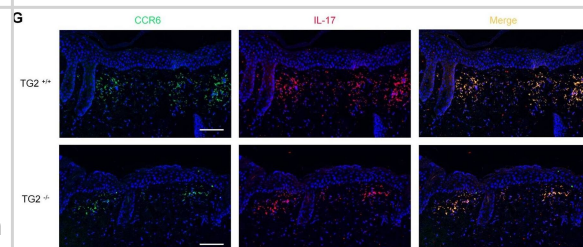
Immunohistochemistry-Paraffin: IL-17/IL-17A Antibody (TC11-18H10) - Azide and BSA Free [NBP1-72027] - IL-17/IL-17A Antibody (TC11-18H10) [NBP1-72027] - Treatment with HBOT or PFD decreased IL-17A expression in the AD lesions. IHC for IL-17A on mouse skin. Scale bar is 100 μ m. The number of IL-17A-expressing cells was counted in five high-power fields (HPF) chosen at random in each slide by three different pathologists. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0109297>) licensed under a CC-BY license.



Immunohistochemistry-Paraffin: IL-17/IL-17A Antibody (TC11-18H10) [NBP1-72027] - Analysis of anti-IL-17 antibody of mouse spleen at concentration 10 μ g/ml.



Immunocytochemistry/ Immunofluorescence: IL-17/IL-17A Antibody (TC11-18H10) - Azide and BSA Free [NBP1-72027] - TG2-dependent chemokine production in keratinocytes is critical for IL-17-producing CCR6+ $\gamma\delta$ T-cell & neutrophil dermal infiltration. a, b Effect of DMSO- or IMQ-treated WT- or TG2^{-/-}-CM on CCR6+ $\gamma\delta$ T-cell (a) & CD11b+ Ly-6G+ cell (b) migration according to Transwell migration assays. Flow cytometric analysis of the percentage of cells migrating toward the CM in the presence or absence of anti-CXCL1 (a) & anti-CCL20 (b) antibodies (n = 3/group). c, d WT & TG2^{-/-} mouse-derived CCR6+ $\gamma\delta$ T-cell (c) & CD11b+ Ly-6G+ cell (d) migration in response to recombinant mouse CCL20 & CXCL1, respectively. Data represent the mean \pm SEM (n = 3/group). *p < 0.05; **p < 0.01. e, f Cells were isolated from the back skin of WT & TG2^{-/-} mice treated with IMQ for four consecutive days & analyzed by flow cytometry. Representative flow cytometric profiles of CCR6+ $\gamma\delta$ TCR^{low} cells (e) & CD11b^{high} Ly-6G⁺ cells (f). The percentage of cells is shown. Data represent the mean \pm SEM (n = 9/group). g Skin sections were immunostained with CCR6 (green)- & IL-17 (red)-specific antibodies. Nuclei were stained with DAPI (blue). Scale bar, 100 μ m. h-j Back skin was separated into epidermis & dermis & analyzed by RT-PCR for IL-17-producing $\gamma\delta$ T-cell markers (h) (Ccr6 & Il23r), IL17 & related cytokines (i) (Il17a, Il17f, & Il22), & myeloid cell-derived cytokines (j) (Il12a & Il23a). Data represent the mean \pm SEM (n = 11/group). *p < 0.05; **p < 0.01 vs. WT mice. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32355189>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Jeong, U;Lee, WH;Choi, YS;Haseeb, M;Baek, WY;Han, JH;Choi, H;Kim, MS;Suh, CH;Kim, W;Choi, S; Discovery of ETI41 and ETI60: novel selective endosomal Toll-like receptor inhibitors for the treatment of autoimmune diseases Experimental & molecular medicine 2025-09-01 [PMID: 40887497]

JW Shin, MA Kwon, J Hwang, SJ Lee, JH Lee, HJ Kim, KB Lee, SJ Lee, EM Jeong, JH Chung, IG Kim Keratinocyte transglutaminase 2 promotes CCR6+ γ δ T-cell recruitment by upregulating CCL20 in psoriatic inflammation Cell Death Dis, 2020-04-30;11(4):301. 2020-04-30 [PMID: 32355189] (Immunohistochemistry-Paraffin, Mouse)

Sozmen SC, Karaman M, Micili SC et al. Resveratrol ameliorates 2, 4-dinitrofluorobenzene-induced atopic dermatitis-like lesions through effects on the epithelium. PeerJ. 2016-03-31 [PMID: 27069818] (Immunohistochemistry-Paraffin, Mouse)

Sozmen SC, Karaman M, Micili SC et al. Resveratrol ameliorates 2, 4-dinitrofluorobenzene-induced atopic dermatitis-like lesions through effects on the epithelium. PeerJ. 2016 Mar 31 [PMID: 27069818] (IHC, Mouse)

Kim HR, Kim JH, Choi EJ et al. Hyperoxygenation Attenuated a Murine Model of Atopic Dermatitis through Raising Skin Level of ROS. PLoS ONE. 2014-10-03 [PMID: 25275529] (IHC-P, Mouse)

Details:

IL-17/IL-17A antibody used for IHC-P on the AD lesions from hyperbaric oxygen therapy (HBOT) or applying an oxygen-carrying chemical, perfluorodecalin (PFD) treated murine model of AD that was developed by repeated application of a chemical irritant (1% 2,4-dinitrochlorobenzene) and house dust mite (*Dermatophagoide farinae*) extract on one ear of BALB/c mice. Figure 6 shows a decreased IL-17A expression in the AD lesions of HBOT or PFD treated mice.





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Products Related to NBP1-72027

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
DDXCR01	Rat IgG1 Isotype Control

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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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