antibodies -online.com





anti-TNF alpha antibody (AA 181-235)

1 Validation



Images



Publications



Go to Product page

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Quantity:	100 μL
Target:	TNF alpha
Binding Specificity:	AA 181-235
Reactivity:	Human, Mouse, Rat, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNF alpha antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse TNF-alpha
Isotype:	IgG
Cross-Reactivity:	Horse, Human, Mouse, Rabbit, Rat
Purification:	Purified by Protein A.

Target Details

Target:	TNF alpha
Alternative Name:	TNF alpha (TNF alpha Products)

Target Details

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Handling

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:

Maier, Reichhart, Gonnermann, Kociok, Riechardt, Gundlach, Strauß, Joussen: "Effects of TNFα receptor TNF-Rp55- or TNF-Rp75- deficiency on corneal neovascularization and lymphangiogenesis in the mouse." in: **PLoS ONE**, Vol. 16, Issue 4, pp. e0245143, (2021) (PubMed).

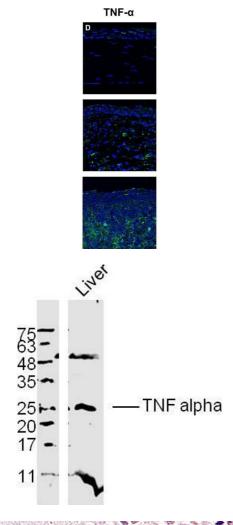
Mousa, Soliman, Alhumaydhi, Almatroudi, Al Rugaie, Allemailem, Alrumaihi, Khan, Rezk, Aljasir, Alwashmi, Aba Alkhayl, Albutti, Seleem: "Garlic Extract Alleviates Trastuzumab-Induced Hepatotoxicity in Rats Through Its Antioxidant, Anti-Inflammatory, and Antihyperlipidemic Effects." in: **Journal of inflammation research**, Vol. 14, pp. 6305-6316, (2021) (PubMed).

Lennikov, Mirabelli, Mukwaya, Schaupper, Thangavelu, Lachota, Ali, Jensen, Lagali: "Selective IKK2 inhibitor IMD0354 disrupts NF-кВ signaling to suppress corneal inflammation and angiogenesis." in: **Angiogenesis**, Vol. 21, Issue 2, pp. 267-285, (2019) (PubMed).

Han, Wang, Qin, Xia, Wu: "LPS alters the immuno-phenotype of glioma and glioma stem-like cells and induces in vivo antitumor immunity via TLR4." in: **Journal of experimental & clinical cancer research: CR**, Vol. 36, Issue 1, pp. 83, (2018) (PubMed).

Wang, Tang, Shen, Chen, Chen, Luo, Ge: "Hepatocyte growth factor (HGF) optimizes oral traumatic ulcer healing of mice by reducing inflammation." in: **Cytokine**, Vol. 99, pp. 275-280, (2018) (PubMed).

There are more publications referencing this product on: Product page

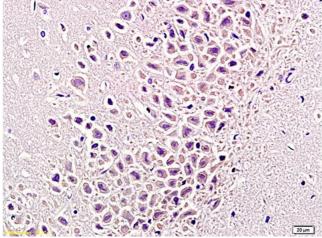


Immunohistochemistry

Image 1. Histology and immunofluorescence in rat corneal sections. a Hematoxylin and Eosin (H&E), b VEGF-A (green), c CCL2 (green), d TNF- α (green), e CXCL5 (green), f CD45 (green) and g HIF-1 α (green) staining in rat cornea tissue. Nuclear counterstaining by DAPI (blue) in fluorescent images - figure provided by CiteAb. Source: PMID29332242

Western Blotting

Image 2. Mouse liver lysates probed with TNF alpha Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 90 minutes at 37°C.



Immunohistochemistry

Image 3. Formalin-fixed and paraffin embedded rat hippocampus labeled with Rabbit Anti-TNF alpha Polyclonal Antibody (ABIN677318) at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Please check the product details page for more images. Overall 6 images are available for ABIN677318.





Successfully validated (Immunofluorescence (IF))

by Confocal Imaging Core, Beth Israel Deaconess Medical Center

Report Number: 029732

Date: Jun 12 2014

Lot Number:	140113
Method validated:	Immunofluorescence (IF)
Positive Control:	Normal mouse lung tissue
Negative Control:	Normal mouse adipose tissue
Notes:	Fluorescent signal is detected in positive control, but not in negative control or isotype controls.
Primary Antibody:	- Antibody: Tumor Necrosis Factor (TNF) - Catalog number: ABIN677318 - Supplier: Bioss - Supplier catalog number: bs-2081R - Lot number: 140113
Secondary Antibody:	- Antibody: Donkey anti-Rabbit IgG (Heavy & Light Chain) Antibody (Alexa 647) - Catalog number: 711-605-152 - Supplier: Jackson Immuno Research - Lot number: Not available
Isotype:	- Antibody: Rabbit IgG Isotype - Supplier: Bioss - Supplier catalog number: bs-0295p - Lot number: not available
Controls:	 Positive control: FFPE normal mouse lung tissue Negative Control: FFPE normal mouse fat tissue Isotype antibody control: tissue sections treated with Rabbit IgG Isotype at 1ug/ul Secondary antibody only control: positive and negative control tissue sections treated with Goat anti-Rabbit Alexa 647 secondary antibody only. Any staining observed is due to non-specific binding of secondary antibody.
Protocol:	 Paraffin embedded positive and negative control tissue sections were deparaffinized and underwent antigen retrieval using 10 mM sodium citrate pH 6.0 in a pressure cooker for 10 min. The tissue sections were incubated with 1 mg/mL sodium borohydride for 10 min at room temperature to block autofluorescent background signal. The sections were then rinsed three times in TBS for 5 min each at RT. Tissue sections were blocked in 1 X TBS / 5% normal donkey serum for 60 min at RT. Tissue sections were incubated with primary antibody diluted 1:200 in 1X PBS / 5% normal donkey serum overnight at 4°C. Tissue sections were rinsed three times in TBS for 5 min each at RT. Cells were incubated with secondary antibody diluted 1:200 in 1X PBS / 5% normal donkey

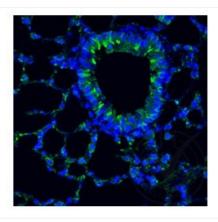
serum for 60 min at RT in dark.

- Tissue sections were rinsed three times in TBS for 5 min each at RT.
- · Coverslips were mounted on slides with Prolong Gold anti-fade mounting media (Invitrogen).
- IF stained tissue sections were imaged with a Zeiss LSM 510 Meta confocal microscope.

Experimental Notes:

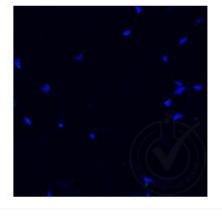
Nothing to note.

Images for Validation report #029732



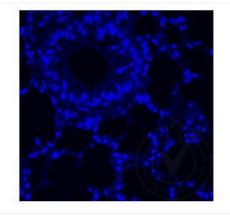
Validation image no. 1 for anti-Tumor Necrosis Factor alpha (TNF alpha) (AA 181-235) antibody (ABIN677318)

Panel 1: confocal image of positive control (mouse lung) with anti-TNF alpha antibody



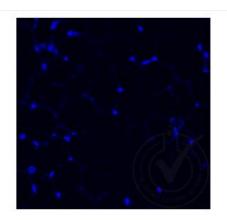
Validation image no. 2 for anti-Tumor Necrosis Factor alpha (TNF alpha) (AA 181-235) antibody (ABIN677318)

Panel 2: confocal image of negative control (mouse adipose) with anti-TNF alpha antibody



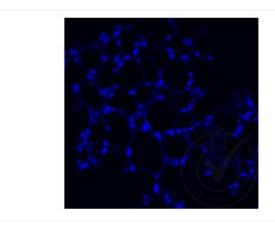
Validation image no. 3 for anti-Tumor Necrosis Factor alpha (TNF alpha) (AA 181-235) antibody (ABIN677318)

Panel 3: confocal image of positive control (mouse lung) with isotype control



Validation image no. 4 for anti-Tumor Necrosis Factor alpha (TNF alpha) (AA 181-235) antibody (ABIN677318)

Panel 4: confocal image of negative control (mouse adipose) with isotype control



Validation image no. 5 for anti-Tumor Necrosis Factor alpha (TNF alpha) (AA 181-235) antibody (ABIN677318)

Panel 5: confocal image of positive control (mouse lung) with secondary antibody only