

Datasheet for ABIN728053
anti-IL-8 antibody (AA 31-99)



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Overview

Quantity:	100 µL
Target:	IL-8 (IL8)
Binding Specificity:	AA 31-99
Reactivity:	Human, Rabbit, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IL-8
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Cow, Sheep, Pig
Purification:	Purified by Protein A.

Target Details

Target:	IL-8 (IL8)
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Target Details

Alternative Name: [IL-8 \(IL8 Products\)](#)

Background: Synonyms: IL8, NAF, GCP1, LECT, LUCT, NAP1, GCP-1, LYNAP, MDNCF, MONAP, NAP-1, Interleukin-8, IL-8, C-X-C motif chemokine 8, Chemokine (C-X-C motif) ligand 8, Emoctakin, Granulocyte chemotactic protein 1, Monocyte-derived neutrophil chemotactic factor, Monocyte-derived neutrophil-activating peptide, Neutrophil-activating protein 1, Protein 3-1C, T-cell chemotactic factor, CXCL8

Background: IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-1-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.

Gene ID: 3576

UniProt: [P10145](#)

Pathways: [TLR Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [ER-Nucleus Signaling](#), [Hepatitis C](#), [Autophagy](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

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

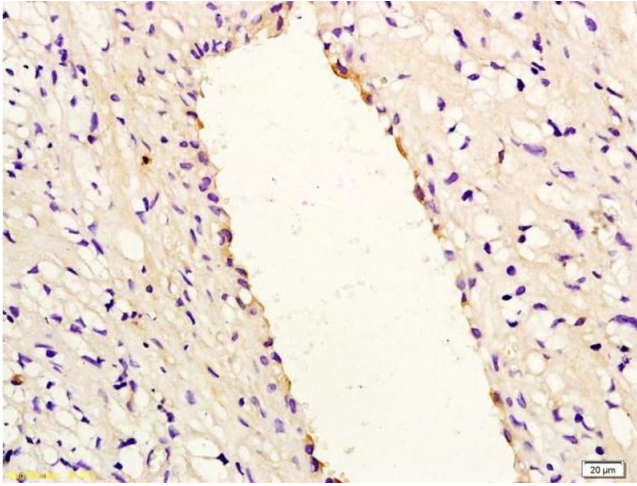
Product cited in: Xu, Huang, Zhang, Li, Zheng, Yu, Chu, Lin, Chen: "Extracts of *Bauhinia championii* (Benth.) Benth. attenuate the inflammatory response in a rat model of collagen-induced arthritis." in: **Molecular medicine reports**, Vol. 13, Issue 5, pp. 4167-74, (2017) ([PubMed](#)).

Zhang, Tseng, Zhang, Sirin, Corn, Li-Ning-Tapia, Troncoso, Davis, Pettaway, Ward, Frazier, Logothetis, Kolonin: "CXCL1 mediates obesity-associated adipose stromal cell trafficking and function in the tumour microenvironment." in: **Nature communications**, Vol. 7, pp. 11674, (2016) ([PubMed](#)).

Huang, Duan, Qian, Fan, Lv, Zhang, Han, Wu, Guo, Hu, Du, Chen, Jin: "IL-17 Promotes Angiogenic Factors IL-6, IL-8, and Vegf Production via Stat1 in Lung Adenocarcinoma." in: **Scientific reports**, Vol. 6, pp. 36551, (2016) ([PubMed](#)).

Lu, Wei, Shao, Tang, Huang, Zhang, Yang, Jing: "Assessment of atherosclerotic plaques in the rabbit abdominal aorta with interleukin-8 monoclonal antibody-targeted ultrasound microbubbles." in: **Molecular biology reports**, Vol. 40, Issue 4, pp. 3083-92, (2013) ([PubMed](#)).

Ma, Niu, Sun, Wang, Luo, Zhang, Wang: "Inflammatory responses induced by fluoride and arsenic at toxic concentration in rabbit aorta." in: **Archives of toxicology**, Vol. 86, Issue 6, pp. 849-56, (2012) ([PubMed](#)).



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rabbit carotid artery labeled with Anti-IL-8/CXCL8 Polyclonal Antibody, Unconjugated (ABIN728053) at 1:200, followed by conjugation to the secondary antibody and DAB staining