

# Product Datasheet

## CXCL8/IL-8 Antibody - BSA Free

### NBP2-33819

Unit Size: 0.1 ml

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

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**NBP2-33819**

CXCL8/IL-8 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

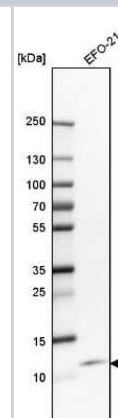
<b>Description</b>	Novus Biologicals Rabbit CXCL8/IL-8 Antibody - BSA Free (NBP2-33819) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CXCL8/IL-8 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3576
<b>Gene Symbol</b>	CXCL8
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: SAKELRCQCIKTYSKPFHPKFIKELRVIESGPHCANTEIIVKLSGDGRELCLDPKEN WVQRVVEKF

**Product Application Details**

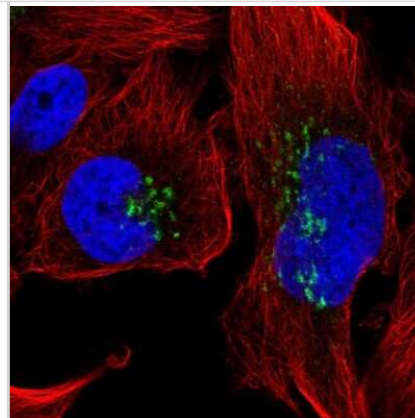
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

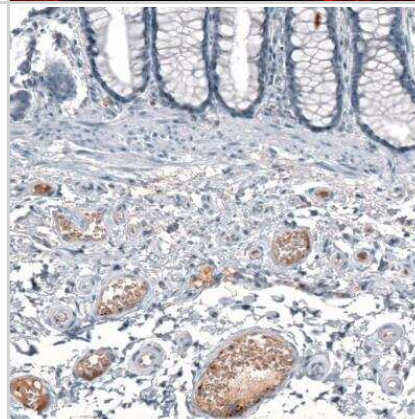
Western Blot: CXCL8/IL-8 Antibody [NBP2-33819] - Analysis in human cell line EFO-21.



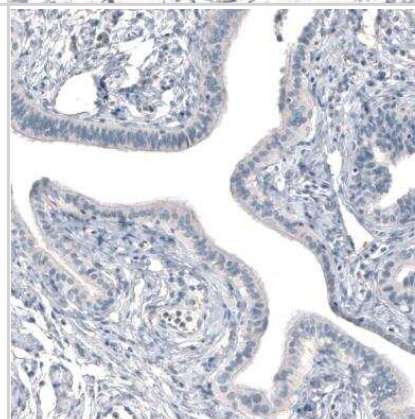
Immunocytochemistry/Immunofluorescence: CXCL8/IL-8 Antibody [NBP2-33819] - Staining of human cell line U-251 MG shows localization to the Golgi apparatus. Antibody staining is shown in green.



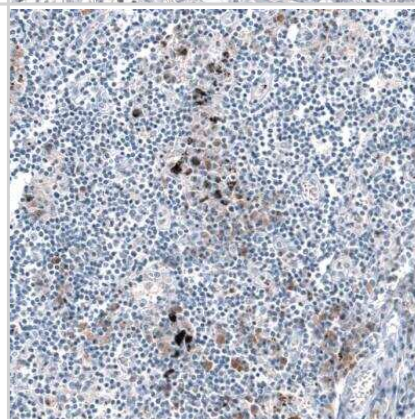
Immunohistochemistry-Paraffin: CXCL8/IL-8 Antibody [NBP2-33819] - Staining of human rectum shows moderate positivity in plasma.



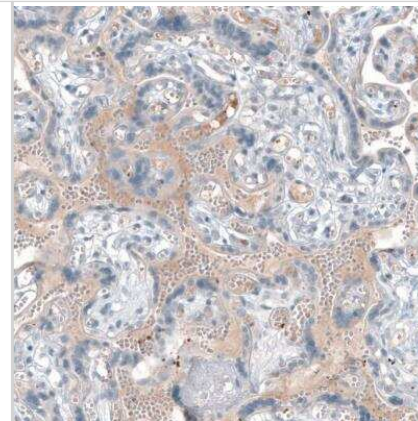
Immunohistochemistry-Paraffin: CXCL8/IL-8 Antibody [NBP2-33819] - Staining of human fallopian tube shows no positivity in glandular cells as expected.



Immunohistochemistry-Paraffin: CXCL8/IL-8 Antibody [NBP2-33819] - Staining of human lymph node shows weak to moderate cytoplasmic positivity in a subset of non-germinal center cells.



Immunohistochemistry-Paraffin: CXCL8/IL-8 Antibody [NBP2-33819] - Staining of human placenta shows moderate positivity in plasma.



## Publications

Lee SM, Kim SH, Kim Z et Al. Photodynamic Effects of Topical Photosensitizer, Photodithazine Using Micro-LED for Acne Bacteria Induced Inflammation Ann Dermatol 2024-12-01 [PMID: 39623608]

Yu S, Chung S, Ha H et al. Nanotheranostics of Pre Stenotic Vessels By Target Touch On Signaling of Peptide Navigator Advanced Functional Materials 2021-12-08 (WB)

Li L, Yao W, Yan S Et al. Pan-Cancer Analysis of Prognostic and Immune Infiltrates for CXCs Cancers 2021-08-18 [PMID: 34439306] (IHC-P, Human)

C Owen-Woods, R Joulia, A Barkaway, L Rolas, B Ma, AF Nottebaum, KP Arkill, M Stein, T Girbl, M Golding, DO Bates, D Vestweber, MB Voisin, S Nourshargh Local microvascular leakage promotes trafficking of activated neutrophils to remote organs J. Clin. Invest., 2020-05-01;0(0):. 2020-05-01 [PMID: 31971917] (IHC, Human)

Fronczek J, Lulf R, Korkmaz Hi, Witte Bi. Analysis of inflammatory cells and mediators in skin wound biopsies to determine wound age in living subjects in forensic medicine Forensic Science International et al. 2014-11-22 [PMID: 25506669] (IHC-P, Human)

### Details:

CXCL8/IL-8 antibody used at 1:100 dilution in IHC-P application on human tissues from skin wounds in living subjects in forensic medicine - 4% formaldehyde solution fixation, 4um paraffin sections, endogenous peroxidases blocking with methanol/H<sub>2</sub>O<sub>2</sub> (0.3%) for 30 min, antigen retrieval via boiling of slides for 10 min in Tris-EDTA pH 9, primary incubation for 1 h at room temperature, detection with rabbit Envision - DAB (Fig. 1e and 1f)



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### **Products Related to NBP2-33819**

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NBP2-33819PEP	CXCL8/IL-8 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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