

## Rabbit anti-Human IL8 Polyclonal Antibody | anti-CXCL8 antibody

IL8 Antibody (C-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                                    |
|-----------|--------|------------|-------------------------------------------------------------------------------------------------|
| AAA285001 | Rabbit | Human      | Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot |

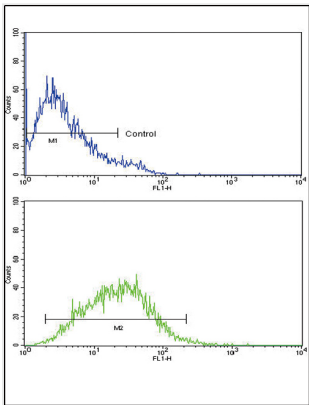
### PRODUCT SYNONYMS

IL8; Polyclonal Antibody; IL8 Antibody (C-term); Interleukin-8; IL-8; C-X-C motif chemokine 8; Chemokine (C-X-C motif) ligand 8; Emotakin; Granulocyte chemotactic protein 1; GCP-1; Monocyte-derived neutrophil chemotactic factor; MDNCF; Monocyte-derived neutrophil-activating peptide; MONAP; Neutrophil-activating protein 1; NAP-1; Protein 3-10C; T-cell chemotactic factor; MDNCF-a; GCP/IL-8 protein IV; IL8/NAP1 form I; (Ala-IL-8)77; GCP/IL-8 protein II; IL-8(1-77); IL8/NAP1 form II; MDNCF-b; IL-8(5-77); IL-8(6-77); (Ser-IL-8)72; GCP/IL-8 protein I; IL8/NAP1 form III; Lymphocyte-derived neutrophil-activating factor; LYNAF; MDNCF-c; Neutrophil-activating factor; NAF; IL-8(7-77); GCP/IL-8 protein V; IL8/NAP1 form IV; IL-8(8-77); GCP/IL-8 protein VI; IL8/NAP1 form V; IL-8(9-77); GCP/IL-8 protein III; IL8/NAP1 form VI; CXCL8; anti-CXCL8 antibody

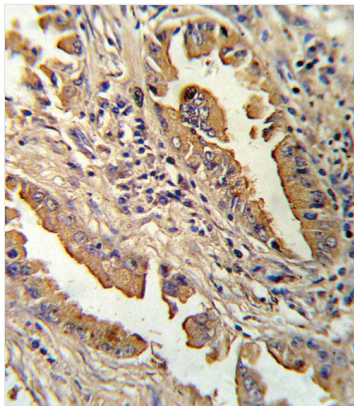
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human                                                                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                     | This IL8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 72-99 amino acids from the C-terminal region of human IL8.                          |
| Purity/Purification                             | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                 |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                   | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                              | 72-99                                                                                                                                                                                     |
| Sequence Length                                 | 102                                                                                                                                                                                       |
| Applicable Applications for anti-CXCL8 antibody | FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                  |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                         |
| Antigen Source                                  | HUMAN                                                                                                                                                                                     |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                    |

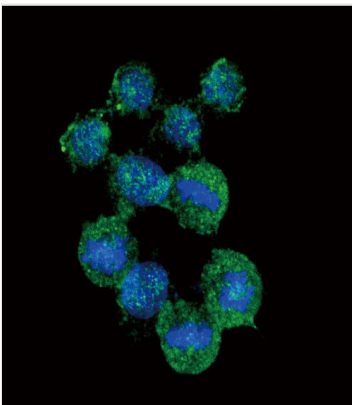
IMAGES



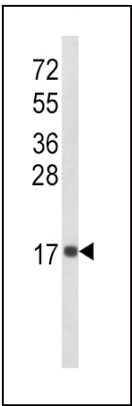
**FCM/FACS (Flow Cytometry)**  
IL8 Antibody (C-term) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**IHC (Immunohistochemistry)**  
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with IL8 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**IF (Immunofluorescence)**  
Confocal immunofluorescent analysis of IL8 Antibody (C-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



**WB (Western Blot)**  
Western blot analysis of IL8 Antibody (C-term) in MDA-MB468 cell line lysates (35ug/lane). IL8 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CXCL8 antibody | IL8 is a member of the CXC chemokine family. This chemokine is one of the major mediators of the inflammatory response. This chemokine is secreted by several cell types. It functions as a chemoattractant, and is also a potent angiogenic factor. |
| Product Categories/Family for anti-CXCL8 antibody   | Cancer; Cardiovascular; Immunology; Signal transduction                                                                                                                                                                                              |
| References                                          | Baggiolini, M. et al., FEBS Lett. 307 (1), 97-101 (1992)<br>Holmes, W. E., et al., Science 253 (5025), 1278-1280 (1991)                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| NCBI GI #                 | 10834978                                                                       |
| NCBI GeneID               | 3576                                                                           |
| NCBI Accession #          | NP_000575.1                                                                    |
| NCBI GenBank Nucleotide # | NM_000584.3                                                                    |
| UniProt Accession #       | P10145; Q6FGF6; Q6LAE6; Q96RG6; Q9C077; Q9UCE1; Q9UCR8; Q9UCR9; Q9UCS0; B2R4L8 |

|                                         |                                                                     |
|-----------------------------------------|---------------------------------------------------------------------|
| <b>Molecular Weight</b>                 | 11098                                                               |
| <b>NCBI Official Full Name</b>          | interleukin-8                                                       |
| <b>NCBI Official Synonym Full Names</b> | chemokine (C-X-C motif) ligand 8                                    |
| <b>NCBI Official Symbol</b>             | CXCL8                                                               |
| <b>NCBI Official Synonym Symbols</b>    | IL8; NAF; GCP1; LECT; LUCT; NAP1; GCP-1; LYNAP; MDNCF; MONAP; NAP-1 |
| <b>NCBI Protein Information</b>         | interleukin-8                                                       |
| <b>UniProt Protein Name</b>             | Interleukin-8                                                       |
| <b>UniProt Gene Name</b>                | <b>CXCL8</b>                                                        |
| <b>UniProt Synonym Gene Names</b>       | IL8; IL-8; GCP-1; MDNCF; MONAP; NAP-1; LYNAP; NAF                   |
| <b>UniProt Entry Name</b>               | IL8_HUMAN                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il8-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/285001>