

Anti-Human IL-8 (RABBIT) Antibody

IL-8 Antibody Catalog # ASR3865

Specification

Anti-Human IL-8 (RABBIT) Antibody - Product Information

Host Rabbit

Conjugate Unconjugated

Target Species Human
Reactivity Human
Clonality Polyclonal

Application WB, IHC, E, IP, I, LCI

Application Note IL 8 antibody has been tested for use in

ELISA and western blot. It recognizes IL-8 found in cells, supernatants and other

body fluids. Reactivity in other immunoassays is unknown. Liquid (sterile filtered)

Immunogen The whole rabbit serum was prepared by

repeated immunizations with recombinant

human IL-8 produced in E.coli.

Anti-Human IL-8 (RABBIT) Antibody - Additional Information

Gene ID 3576

Physical State

Other Names

3576

Purity

Anti-IL 8 antiserum has been heated to 56°C for 30 minutes. The antiserum detects recombinant and native IL-8 present in body fluids and cell supernatants in ELISA. Although likely to be functional, this antiserum has not been evaluated in other assays, including neutralization and immunohistochemistry.

Storage Condition

Store anti-IL8 antibody at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-Human IL-8 (RABBIT) Antibody - Protein Information

Name CXCL8



Synonyms IL8

Function

Chemotactic factor that mediates inflammatory response by attracting neutrophils, basophils, and T-cells to clear pathogens and protect the host from infection (PubMed:<a

 $href="http://www.uniprot.org/citations/18692776" target="_blank">18692776, PubMed:7636208). Also plays an important role in neutrophil activation (PubMed:<a$

href="http://www.uniprot.org/citations/2145175" target="_blank">2145175, PubMed:9623510). Released in response to an inflammatory stimulus, exerts its effect by binding to the G-protein-coupled receptors CXCR1 and CXCR2, primarily found in neutrophils, monocytes and endothelial cells (PubMed:1840701, PubMed:1891716). G-protein heterotrimer (alpha, beta, gamma subunits) constitutively binds to CXCR1/CXCR2 receptor and activation by IL8 leads to beta and gamma subunits release from Galpha (GNAI2 in neutrophils) and activation of several downstream signaling pathways including PI3K and MAPK pathways (PubMed:11971003, PubMed:8662698).

Cellular Location

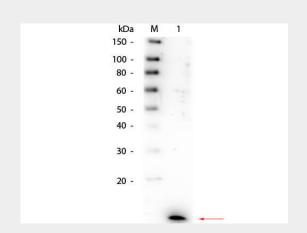
Secreted.

Anti-Human IL-8 (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Human IL-8 (RABBIT) Antibody - Images



Western Blot of Rabbit anti-Human IL-8 Antibody. Lane 1: Recombinant Human IL-8. Load: 50 ng per lane. Primary antibody: Rabbit anti-Human IL-8 Antibody 1:1,000 overnight at 4°C. Secondary





Tel: 858.875.1900 Fax: 858.875.1999

antibody: HRP Goat-a-rabbit secondary antibody (p/n 611-103-122) at 1:40,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 11 kDa, 11 kDa for Human IL-8.

Anti-Human IL-8 (RABBIT) Antibody - Background

Interleukin-8 is a chemokine produced by macrophages and other cell types such as epithelial cells. Human IL-8 (CXCL8) antibody is commonly used in many experiments focused around inflammation. Anti-IL-8 antibody is ideal for investigators involved in Cancer, Immunology and Cardiovascular research.