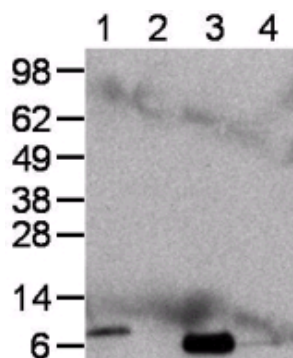


Anti-Human IL-8 (1-77) (CXCL8) Purified

Catalog Number: 14-7189

Also Known As: Interleukin-8, IL8

RUO: For Research Use Only



Immunoblot of human peripheral blood mononuclear cells either left untreated or treated with LPS and Brefeldin A for 4 hours. Lane 1, non-reduced lysate prepared from stimulated cells; lane 2, non-reduced lysate of unstimulated cells; lane 3, reduced lysate of stimulated cells; lane 4, reduced lysate prepared from unstimulated cells. Bands were visualized using Anti-Mouse IgG HRP.

Product Information

Contents: Anti-Human IL-8 (1-77) (CXCL8) Purified

REF Catalog Number: 14-7189

Clone: N11


Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

Description

The monoclonal antibody N11 reacts specifically with the 77 amino acid form of IL-8 (IL-8₇₇, IL-8₍₁₋₇₇₎, CXCL8₇₇) and does not react with the more common 72 amino acid form. Frequently referred to as "endothelial" IL-8, the 77 amino acid form is secreted in cultured leukocytes. The 72 amino acid form is the result of efficient cleavage of an N-terminal pentamer from IL-8₇₇ after secretion. IL-8 is a C-X-C chemokine with potency in neutrophil chemotaxis and activation. IL-8₇₇ has decreased chemotactic activity when compared to IL-8₇₂, but has other specific pro-apoptotic and tumor cell chemotactic activities. IL-8₇₇ has recently been shown to be the major isoform present in premature neonates due to deficiency in serum protease activity that is not seen in term neonates.

Applications Reported

This N11 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This N11 antibody has been tested by immunoblot of peripheral blood mononuclear cells stimulated with LPS for 4 hours. This can be used at 1-5 µg per ml. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Maheshwari A, Voitenok NN, Akalovich S, Shaik SS, Randolph DA, Sims B, Patel RP, Killingsworth CR, Fallon MB, Ohls RK. Developmental changes in circulating IL-8/CXCL8 isoforms in neonates. Cytokine. 2009 Apr;46(1):12-6. (N11, ELISA, Pubmed)

Nashkevich NN, Akalovich S, Louneva N, Heavner GA, Voitenok NN. A monoclonal antibody and an enzyme immunoassay for human Ala-IL-8(77). J Immunol Methods. 2002 Dec 1;270(1):37-51. (N11, ELISA, NU, Pubmed)

Related Products

14-8089 Human IL-8 Recombinant Protein

34-8089 Human IL-8 Recombinant Protein Carrier-Free

88-7087 Human IL-8 ELISA Ready-SET-Go!®

