



Anti-Interleukin-8 monoclonal antibody, clone NAPII [FITC] (CABT-48525MH)

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

PRODUCT INFORMATION

Product Overview

Mouse anti Human Interleukin-8 antibody, clone NAPII human IL-8 (interleukin-8), a pro-inflammatory CXC chemokine designated CXCL8, secreted by endothelial cells and monocytes, which acts as a major chemoattractant for neutrophils, T cells and basophils. IL-8, first isolated from osteosarcoma cells, contains the ELR-motif (N-terminal Glu-Leu-Arg amino acid sequence) and signals through the CXCR1 and CXCR2 receptors. Cancer studies have demonstrated a role for IL-8 in the angiogenesis and growth of tumours. Previous nomenclature for IL-8 includes neutrophil activating protein 1(NAP-1), granulocyte chemotactic protein 1 (GCP-1), monocyte-derived neutrophil-activating peptide (MONAP) and protein 3-10C. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Specificity	IL-8
Immunogen	Recombinant IL-8.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	NAPII
Conjugate	FITC
Applications	FC
Format	Purified IgG - liquid
Size	100 tests
Preservative	0.02% Sodium Azide

Storage	in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
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GENE INFORMATION

Gene Name	CXCL8 chemokine (C-X-C motif) ligand 8 [Homo sapiens (human)]
Official Symbol	CXCL8
Synonyms	CXCL8; chemokine (C-X-C motif) ligand 8; IL8; NAF; GCP1; LECT; LUCT; NAP1; GCP-1; LYNAP; MDNCF; MONAP; NAP-1; interleukin-8; emoctakin; interleukin 8; T-cell chemotactic factor; neutrophil-activating peptide 1; beta-thromboglobulin-like protein; granulocy
Entrez Gene ID	3576
Protein Refseq	NP_000575
UniProt ID	P10145
Chromosome Location	4q13-q21
Pathway	ATF-2 transcription factor network; ATF4 activates genes; Amoebiasis; Bladder cancer; Calcineurin-regulated NFAT-dependent transcription in lymphocytes; Cellular Senescence; Cellular responses to stress; Chagas disease (American trypanosomiasis);
Function	chemokine activity; interleukin-8 receptor binding; protein binding;