



Anti-CXCL8 polyclonal antibody (CPBT-65418RH)

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

PRODUCT INFORMATION

Product Overview

Rabbit anti Human Interleukin-8 antibody recognizes human IL-8 (Interleukin-8), a 72 amino acid pro-inflammatory CXC chemokine designated CXCL8, secreted by endothelial cells and monocytes, which acts as a major chemoattractant for neutrophils and also 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. ELISA This purified human IL-8 antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA. Western Blotting This purified human IL-8 antibody may be used in Western Blotting applications under either reducing or non-reducing conditions.

Specificity	IL-8
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA; FA; IF; IHC-P; WB
Format	Purified IgG - lyophilised
Size	100 µg
Preservative	None

Storage	in frost-free freezers is not recommended. 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;