

Anti-IL-8 [M36-11] Standard Size Ab03217-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Human IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Lambda

Clone Number: M36-11

Alternative Name(s) of Target: IL8; Interleukin-8; CXCL8; 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; 4-123-36

UniProt Accession Number of Target Protein: P10145

Published Application(s): Block, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody 4-123-36 was isolated from a human single domain antibody (scFv) library by screening the library against extracellular portions of the human IL-8. Affinity maturation of this clone using mutagenesis by error-prone PCR resulted in the generation of M36-11.

Specificity: This antibody binds human interleukin-8. Interleukin-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus.

Application Notes: The binding of this affinity-matured antibody to hIL8 was analyzed using ELISA. This antibody is capable of blocking the biological activity of human interleukin 8 at a concentration of 1 and 10 µg/mL in a neutrophil chemotaxis assay (PMID: 20718039).

Antibody First Published in: Ding et al. Generation of high-affinity fully human anti-interleukin-8 antibodies from its cDNA by two-hybrid screening and affinity maturation in yeast. Protein Sci. 2010 Oct; 19(10): 1957–1966. [PMID:20718039](#)

Note on publication:

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.