

## Anti-IL-8 [M36-11] Bulk Size Ab03217-10.0-BT

**Isotype and Format:** Human IgG1, 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-maturated 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:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.