

Anti-IL-8 [928 (46G8)] Bulk Size Ab03215-3.0-BT

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG2 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Mouse IgG2b, Kappa

Clone Number: 928 (46G8)

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

UniProt Accession Number of Target Protein: P10145

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing cohorts of XMG2 XENOMOUSE® transgenic mice with recombinant human Interleukin-8 (rhIL-8).

Specificity: This antibody binds human IL-8 and specifically recognizes an epitope containing amino acids sequence 'ELRCQCIKTYSK'. 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: This antibody binds human interleukin 8 with a very high affinity of $K_d = 0.06$ pM. The binding characterization of this antibody was done using ELISA (PMID: 16038881; US20140105905).

Antibody First Published in: Rathanaswami et al. Demonstration of an in vivo generated sub-picomolar affinity fully human monoclonal antibody to interleukin-8. Biochem Biophys Res Commun. 2005 Sep 9;334(4):1004-13. [PMID:16038881](#)

Note on publication: Describes the generation of an antibody with sub-picomolar affinity for human interleukin-8.

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.