

Anti-IL-8 [6G4.2.5V11N35A] Standard Size Ab03216-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse 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: Mouse IgG2b, Fc Silent™, Kappa

Clone Number: 6G4.2.5V11N35A

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; 6G4.2.5; V11N35A; 6G4V11N35A

UniProt Accession Number of Target Protein: P10145

Published Application(s): neutralize, ELISA

Published Species Reactivity: Rabbit, Human, Rhesus Monkey

Immunogen: The original mouse antibody 6G4.2.5 was generated by immunizing BALB/c mice with recombinant human IL-8. The humanized version is 6G4.2.5 V11N35A was generated by grafting CDRs of mouse parental antibody onto human framework regions.

Specificity: This antibody binds human IL-8, which 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. This antibody cross reacts with rabbit and rhesus monkey IL-8.

Application Notes: This antibody is capable of neutralizing the biological activity of wild-type human IL-8. This antibody is reported to inhibit human wild type IL-8, human monomeric IL-8, rabbit IL-8, and rhesus IL-8 mediated neutrophil chemotaxis (US6025158). The binding characterization of this antibody was done using ELISA. The Fab version of this antibody binds human IL-8 with an affinity of 114 pM (US6025158).

Antibody First Published in: [PMID:](#)

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.