

Anti-IgE [huMaE11 (Omalizumab)] Standard Size Ab00717-10.0

NOT FOR THERAPEUTIC USE - This is a research-grade biosimilar.

Isotype and Format: Human IgG1, Kappa

Clone Number: huMaE11 (Omalizumab)

Alternative Name(s) of Target: epsilon chain; Ig epsilon chain C region; immunoglobulin E

UniProt Accession Number of Target Protein: P01854

Published Application(s): crystallization, Block, ELISA

Published Species Reactivity: Human

Immunogen: Human IgE protein.

Specificity: This antibody binds to circulating human IgE antibody, but not to cell-bound IgE. It binds in proximity of the binding site of the high-affinity IgE receptor Fc epsilon RI.

Application Notes: This antibody binds to circulating IgE, thereby inhibiting IgE binding to mast-cells. It does not bind to cell-bound IgE and does not provoke histamine release from mast-cells sensitised by IgE. As a human IgG1, marketed as Xolair™, it is used therapeutically to treat asthma and allergies.

Antibody First Published in: Presta et al. Humanization of an antibody directed against IgE. J Immunol. 1993 Sep 1;151(5):2623-32. [PMID:8360482](#)

Note on publication: Describes the humanization of the original murine antibody MaE11.

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.