

Anti-Ghrelin [1621] Standard Size Ab01223-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse Fab format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: 1621

Alternative Name(s) of Target: Appetite-regulating hormone; growth hormone secretagogue; protein M46

UniProt Accession Number of Target Protein: Q9UBU3

Published Application(s): calcium assay, SPR, ELISA

Published Species Reactivity: Human

Immunogen: Mice were immunised with human ghrelin acylated at the His residue position 9.

Specificity: The antibody has specificity for both the acylated and unacylated form of ghrelin.

Application Notes: ELISA demonstrated that 1621 binds full length human ghrelin independent of its acylation status, and binds poorly to rat ghrelin. The in vitro FLIPR Calcium Assay system was used to show that 1621 binds residues 4-20 of human ghrelin. Using SPR, the K_d of 1621 binding to acylated human ghrelin was determined as 6.80×10^{-10} M; the K_d of 162 binding to deacylated human ghrelin was determined as 1.74×10^{-9} M.

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.