

Anti-Insulin-degrading Enzyme [Fab-IDE] Standard Size Ab00406-10.0

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

Isotype and Format: Human IgG1, Kappa

Clone Number: Fab-IDE

Alternative Name(s) of Target: IDE; Insulin Protease

UniProt Accession Number of Target Protein: P14735

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: Human IDE.

Specificity: Binds specifically to human IDE with a K_d of 3.72 nM.

Application Notes: This antibody binds human insulin degrading enzyme, which breaks down insulin as well as amyloid peptides and is suggested to play a role in both diabetes and Alzheimer's. Antibody binding does not affect steady-state kinetics of IDE.

Antibody First Published in: McCord et al. Conformational states and recognition of amyloidogenic peptides of human insulin-degrading enzyme. Proceedings of the National Academy of Sciences of the USA 2013; 110(34):13827-13832 [PMID:23922390](#)

Note on publication: Describes the generation of an antibody against human IDE and crystallisation of the complex.

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.