

## Anti-Insulin-degrading Enzyme [Fab-IDE] Standard Size Ab00406-10.3

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

This 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, [Fc Silent™](#), 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<sub>d</sub> 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.