

## Anti-Insulin-degrading Enzyme [Fab-IDE] Standard Size Ab00406-1.0

Recombinant monoclonal antibody to Insulin-degrading Enzyme. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the scFv Fab-IDE.

**Isotype and Format:** Mouse 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 Kd 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.