

## Anti-Insulin degrading enzyme/IDE Antibody Picoband® PE Conjugated

Catalog Number: A01358-2-PE

### About IDE

Insulin-degrading enzyme, also known as IDE, is an enzyme. This gene encodes a zinc metallopeptidase that degrades intracellular insulin, and thereby terminates insulin activity, as well as participating in intercellular peptide signalling by degrading diverse peptides such as glucagon, amylin, bradykinin, and kallidin. The preferential affinity of this enzyme for insulin results in insulin-mediated inhibition of the degradation of other peptides such as beta-amyloid. Deficiencies in this protein's function are associated with Alzheimer's disease and type 2 diabetes mellitus but mutations in this gene have not been shown to be causative for these diseases. This protein localizes primarily to the cytoplasm but in some cell types localizes to the extracellular space, cell membrane, peroxisome, and mitochondrion. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Insulin degrading enzyme/IDE Antibody Picoband® PE Conjugated  |
| Reactive Species     | Human, Mouse, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .  |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | P14735  |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | E. coli-derived human IDE recombinant protein (Position: F485-K756). |
| Cross Reactivity | No cross-reactivity with other proteins.                             |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | PE<br>Excitation Wavelength: 566 nm                                  |

|                     |  |
|---------------------|--|
|                     | Emission Wavelength: 574 nm                          |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

## 1 Publications Citing This Product

1. PubMed ID: 20970817, A study on expression of FSH and its effects on the secretion of insulin and glucagon in rat pancreas.

Visit [bosterbio.com/anti-ide-picoband-trade-antibody-a01358-2-boster.html](https://bosterbio.com/anti-ide-picoband-trade-antibody-a01358-2-boster.html) to see all 1 publications.

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