

# Anti-Insulin + Proinsulin antibody [D3E7] ab8305

## 1 References

### Overview

|                            |  |
|----------------------------|--|
| <b>Product name</b>        | Anti-Insulin + Proinsulin antibody [D3E7]  |
| <b>Description</b>         | Mouse monoclonal [D3E7] to Insulin + Proinsulin  |
| <b>Host species</b>        | Mouse  |
| <b>Specificity</b>         | Kd for this antibody is $6.3 \times 10^{-8}$ M. This antibody is specific for both insulin and proinsulin  |
| <b>Tested applications</b> | <b>Suitable for:</b> ELISA, IHC-Fr   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Mouse, Rat, Cow, Human, Pig  |
| <b>Immunogen</b>           | Full length native protein (purified). Native human insulin  |
| <b>General notes</b>       | <p>Detection of insulin and proinsulin</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> |

### Properties

|                               |   |
|-------------------------------|---|
| <b>Form</b>                   | Liquid  |
| <b>Storage instructions</b>   | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| <b>Storage buffer</b>         | pH: 7.40<br>Preservative: 0.1% Sodium azide   |
| <b>Purity</b>                 | Protein A purified  |
| <b>Primary antibody notes</b> | Detection of insulin and proinsulin   |
| <b>Clonality</b>              | Monoclonal  |
| <b>Clone number</b>           | D3E7  |
| <b>Myeloma</b>                | unknown   |
| <b>Isotype</b>                | IgG1  |

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab8305 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes                                    |
|-------------|-----------|--|
| ELISA       |           | Use at an assay dependent concentration. |
| IHC-Fr      |           | Use at an assay dependent concentration. |

## Target

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**Relevance** Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver. Defects in insulin are the cause of familial hyperproinsulinemia.

**Cellular localization** Secreted

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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