

## Product datasheet

# HRP Anti-Insulin + Proinsulin antibody [D3E7] ab28063

★★★★★ [1 Abreviews](#) [3 References](#)

### Overview

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<b>Product name</b>	HRP Anti-Insulin + Proinsulin antibody [D3E7]
<b>Description</b>	HRP Mouse monoclonal [D3E7] to Insulin + Proinsulin
<b>Host species</b>	Mouse
<b>Conjugation</b>	HRP
<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, IHC-P, Sandwich ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Cow, Human, Pig
<b>Immunogen</b>	Human insulin.
<b>General notes</b>	<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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.05% Proclin 300 Constituents: 0.8% Sodium chloride, 0.02% Potassium chloride, 0.18% Dibasic monohydrogen sodium phosphate, 0.024% Monobasic dihydrogen potassium phosphate
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	D3E7
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab28063 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	★★★★★ (1)	Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. PubMed: 24594640
Sandwich ELISA		Use at an assay dependent concentration. Can be paired for Sandwich ELISA with <b>Mouse monoclonal [D6C4] to Insulin + Proinsulin (ab8304)</b> . Can be used as Detection antibody with recommended pair.

## 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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- Replacement or refund for products not performing as stated on the datasheet
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