



# Anti-Insulin monoclonal antibody, clone D4B8 (CABT-49152MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse anti Human Insulin antibody, clone D4B8 recognizes insulin, a major metabolic hormone produced by B cells of the pancreas. Affinity $1.5 \times 10^8$ mole/L.
<b>Specificity</b>	INS
<b>Target</b>	Insulin
<b>Immunogen</b>	Purified human insulin
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Bovine, Pig
<b>Clone</b>	D4B8
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-Fr; ELISA
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	200 µg
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

# GENE INFORMATION

Gene Name	<a href="#">INS insulin [ Homo sapiens (human) ]</a>
Official Symbol	INS
Synonyms	INS; insulin; IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10; proinsulin; preproinsulin;
Entrez Gene ID	<a href="#">3630</a>
Protein Refseq	<a href="#">NP_000198</a>
UniProt ID	P01308
Chromosome Location	11p15.5
Pathway	AGE/RAGE pathway; AMPK signaling pathway; ATF-2 transcription factor network; Adipogenesis; Aldosterone-regulated sodium reabsorption; Amyloids; Arf6 trafficking events; Cardiac Progenitor Differentiation;
Function	hormone activity; identical protein binding; insulin receptor binding; insulin-like growth factor receptor binding; protease binding; protein binding;