



Anti-Insulin + Proinsulin monoclonal antibody, clone E4F8 (DCABH-10072)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Insulin + Proinsulin
Antigen Description	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.
Specificity	Kd for this antibody is 6.3×10^{-8} M. This antibody is specific for both insulin and proinsulin. This clone cross-react with human, bovine and porcine insulin and proinsulin
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Rat, Porcine, Bovine
Clone	E4F8
Conjugate	Unconjugated
Applications	ELISA, IHC-Fr
Format	Liquid
Size	200 µg
Buffer	PBS with 0.09% sodium azide, pH 7.4
Preservative	0.09% Sodium Azide
Storage	store at -20°C. Avoid freeze / thaw cycles.

Ship

Shipped at 4°C.

GENE INFORMATION

Gene Name	Ins1 insulin I [Mus musculus]
Official Symbol	Ins1
Synonyms	INS1; insulin I; insulin-1; Ins-1; Ins2-rs1;
Entrez Gene ID	16333
Protein Refseq	NP_032412
UniProt ID	P01325
Pathway	Adipogenesis, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; IRS activation, organism-specific biosystem;
Function	chaperone binding; hormone activity; insulin receptor binding; protease binding;