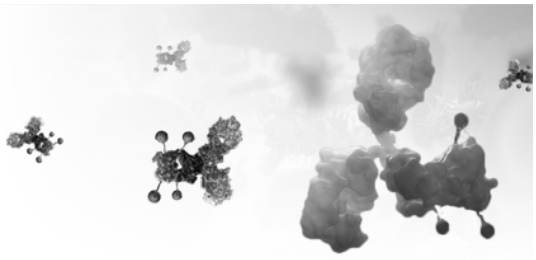

Mouse Anti-Human INS Hybridoma [BF0E7] (CSC-H1269)

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

PRODUCT INFORMATION

Product Overview	This hybridoma produces mAbs (IgG1, kappa light chain) against human INS
Target	INS
Immunogen	Zinc containing crystalline human insulin
Isotype	IgG1, kappa light chain
Species	Human
Clone	BF0E7
Storage	Liquid nitrogen vapor phase. Freezing medium: to complete growth medium, add 5%(v/v) DMSO
Ship	Dry Ice
Immunological Donor	Mouse spleen
Cell Line Description	Animals were immunized with zinc containing crystalline human insulin. Spleen cells were fused with Sp2/0-Ag14 myeloma cells. The antibody binds to residues A8-10 (THR, SER, ILE) of human insulin. The antibody cross-reacts with insulin from pig, rabbit and rat and pro-insulin from cow and pig. Tested and found negative for ectromelia virus (mousepox).
Myeloma	Sp2/0-Ag14
Fusion Species	Mouse X Mouse Hybridoma

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Growth Properties	Suspension
Morphology	Lymphoblast
Propagation	Complete growth medium: 4 mM L-glutamine, 4500 mg/L glucose, 1 mM sodium pyruvate, and 1500 mg/L sodium bicarbonate, fetal bovine serum to a final concentration of 10%.
Culture Medium	DMEM with 4 mM L-glutamine, 4500 mg/L glucose, 1 mM sodium pyruvate and 1500 mg/L sodium bicarbonate, supplemented with 10% FBS.
Mycoplasma	Mycoplasma Status: Negative (MycoAlert Kit)
Cellular Products	Immunoglobulin: monoclonal antibody against human insulin (residues A8-10)
Safety Considerations	The following safety precautions should be observed. 1. Use pipette aids to prevent ingestion and keep aerosols down to a minimum. 2. No eating, drinking or smoking while handling the hybridoma. 3. Wash hands after handling the hybridoma and before leaving the lab. 4. Decontaminate work surface with disinfectant or 70% ethanol before and after working with hybridoma. 5. All waste should be considered hazardous. 6. Dispose of all liquid waste after each experiment and treat with bleach.

GENE INFORMATION

Gene Name	INS insulin [Homo sapiens]
Official Symbol	INS
Synonyms	INS; insulin; proinsulin; ILPR; IRDN; IDDM2; MODY10;
Entrez Gene ID	3630
mRNA Refseq	NM_000207
Protein Refseq	NP_000198
UniProt ID	P01308
Chromosome Location	11p15.5
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Adipogenesis, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Amyloids, o
Function	hormone activity; hormone activity; hormone activity; insulin receptor binding; insulin receptor

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binding; insulin-like growth factor receptor binding; protein binding;

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