



Mouse Anti Rat islet-1 homeobox Hybridoma [51.4B5] (CSC-H1859)

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

PRODUCT INFORMATION

Product Overview	This hybridoma produces mAbs (IgG1) against rat islet-1 homeobox
Target	Isl1
Immunogen	Rat Islet-1 homeobox
Isotype	IgG1
Species	Rat
Clone	51.4B5
Application	, IHC,
Application Notes	Cell binding,IHC, IHC
Storage	Liquid nitrogen vapor phase.
Ship	Dry Ice
Immunological Donor	Female balb/c Mouse spleen
Cell Line Description	The hybridoma produces monoclonal antibody against rat Islet-1 homeobox
Myeloma	Mouse NS-1
Fusion Species	Mouse X Mouse Hybridoma
Mycoplasma	Mycoplasma Status: Negative (MycoAlert Kit)
Reactivity	rat, mouse, chick, Drosophila

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	Isl1 ISL LIM homeobox 1 [Rattus norvegicus]
Official Symbol	Isl1
Synonyms	Isl1; ISL LIM homeobox 1; Isl-1; isl-1=homeobox; ISL1 transcription factor LIM/homeodomain (islet-1); ISL1 transcription factor, LIM/homeodomain 1; insulin gene enhancer protein ISL-1; isl-1 homeobox; islet-1
Entrez Gene ID	64444
mRNA Refseq	NM_017339.3
Protein Refseq	NP_059035.3
UniProt ID	P61374
Chromosome Location	2q15
Pathway	Incretin Synthesis, Secretion, and Inactivation; Integration of energy metabolism; Metabolism; Regulation of Insulin Secretion; Synthesis, Secretion, and Inactivation of Glucose-dependent Insulinotropic Polypeptide (GIP)
Function	DNA binding; RNA polymerase II activating transcription factor binding; RNA polymerase II transcription coactivator activity; bHLH transcription factor binding; chromatin binding; enhancer sequence-specific DNA binding
References	1. Schmitt, A.M., Riniker, F., Anlauf, M., Schmid, S., Soltermann, A., Moch, H., Heitz, P.U., Kloppel, G., Komminoth, P., and Perren, A. (2008). Islet 1 (Isl1) expression is a reliable marker for pancreatic endocrine tumors and their metastases. Am. J. Surg. Pathol. 32(3), 420-425.