

À des fins de recherche uniquement

Anticorps Monoclonal anti-NEUROD1

Numéro de catalogue: CL488-66691



Informations de base

Numéro de catalogue: CL488-66691	Numéro d'acquisition GenBank: BC009046	Méthode de purification: Purification par protéine G
Taille: 100ul , Concentration: 1667 µg/ml by Nanodrop;	Identification du gène (NCBI): 4760	CloneNo.: 3E10F1
Hôte: Mouse	Nom complet: neurogenic differentiation 1	Excitation/Emission maxima wavelengths: 491 nm / 516 nm
Isotype: IgG1	MW calculé 356 aa, 40 kDa	
Immunogen Catalog Number: AG27606	MW observés: 40-50 kDa	

Applications

Applications testées:
FC (Intra)
Spécificité de l'espèce:
Humain

Informations générales

NeuroD is a member of the basic helix-loop-helix (bHLH) family of transcription factors. The basic helix-loop-helix (bHLH) proteins are transcription factors that are required for several aspects of development, including cell type determination, terminal differentiation and sex determination. Members of the myogenic determination family, MyoD, myf5, myogenin and MRF4, all have bHLH domains. These proteins function by forming heterodimers with E-proteins and binding to the canonical E-box sequence CANN TG. Neuro D is expressed transiently in a subset of neurons in the central and peripheral nervous systems at the time of their terminal differentiation into mature neurons. Moreover, ectopic expression of Neuro D in Xenopus embryos induces premature differentiation of neuronal precursors and Neuro D can convert presumptive epidermal cells into neurons. The lack of NeuroD in the brain results in severe defects in development. Human mutations have been linked to a number of types of diabetes including type I diabetes mellitus and maturity-onset diabetes of the young. The calculated molecular weight of NEUROD1 is 39 kDa, but the modified NEUROD1 protein is about 45-50 kDa.

Stockage

Stockage:
Stocker à -20 °C. Éviter toute exposition à la lumière. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec glycérol à 50 %, Proclin300 à 0,05 % et BSA à 0,5 %, pH 7,3.
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

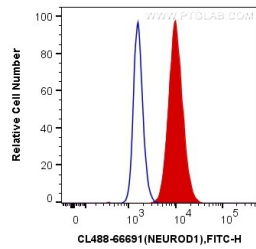
For technical support and original validation data for this product please contact:

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Données de validation sélectionnées



1X10⁶ SH-SY5Y cells were intracellularly stained with 0.4 ug CoraLite®488 Anti-Human NEUROD1 (CL488-66691, Clone:3E10F1) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).