

Nur für Forschungszwecke

NEUROD1 Monoklonaler Antikörper

Katalog-Nr.:CL488-66691



Allgemeine Informationen

Katalog-Nr.: CL488-66691	GenBank-Zugangsnummer: BC009046	Reinigungsmethode: Protein-G-Reinigung
Größe: 100ul , Konzentration: 1667 µg/ml von4760 Nanodrop;	GeneID (NCBI): neurogenic differentiation 1	CloneNo.: 3E10F1
Wirt: Maus	Vollständiger Name: neurogenic differentiation 1	Anregungs-/Emissionsmaxima- Wellenlängen: 491 nm / 516 nm
Isotyp: IgG1	Berechnete Masse: 356 aa, 40 kDa	
Immunogen Katalognummer: AG27606	Beobachtete Masse: 40-50 kDa	

Anwendungen

Geprüfte Anwendungen:
FC (Intra)

Getestete Reaktivität:
Human

Hintergrundinformationen

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 CANNTG. 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.

Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Vor Licht schützen. Nach dem Versand ein Jahr stabil.

Lagerungspuffer:
BS mit 50% Glycerin, 0,05% Proclin300, 0,5% BSA, pH 7,3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

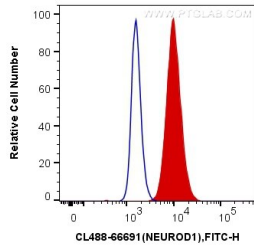
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Ausgewählte Validierungsdaten



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).