# NEUROG3 Conjugated Antibody

Catalog No: #C38461

Package Size: #C38461-AF350 100ul #C38461-AF405 100ul #C38461-AF488 100ul #C38461-AF555 100ul #C38461-AF594 100ul #C38461-AF647 100ul #C38461-AF680 100ul #C38461-AF750 100ul #C38461-Biotin 100ul

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## Description

| | |
|---|---|
| Product Name | NEUROG3 Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms |
| Specificity | The antibody detects endogenous level of total NEUROG3 antibody. |
| Immunogen Description | Recombinant protein of human NEUROG3. |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | ngn3; Atoh5; NGN-3; Math4B; bHLHa7; |
| Accession No. | Swiss-Prot#:Q9Y4Z2NCBI Gene ID:50674 |
| Uniprot | Q9Y4Z2 |
| GeneID | 50674; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW | 23 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

Neurogenin-3 is a protein that in humans is encoded by the NEUROG3 gene. Neurogenin-3 is expressed in endocrine progenitor cells and is required for endocrine cell development in the pancreas and intestine. It belongs to a family of basic helix-loop-helix (bHLH) transcription factors involved in the determination of neural precursor cells in the neuroectoderm. The pancreas and brain the major splicing isoform does not code for a protein. Acts as a transcriptional regulator. Together with NKX2-2, initiates transcriptional activation of NEUROD1.

Note: This product is for in vitro research use only