



Mouse Anti-Zebrafish Nitr9 Monoclonal Antibody, clone 01.21.6 (CABT-Z479M)

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

PRODUCT INFORMATION

Immunogen	Zebrafish novel immune-type receptor 9 protein
Isotype	IgG2b, κ
Source/Host	Mouse
Species Reactivity	Zebrafish
Clone	01.21.6
Purification	Protein G purified
Conjugate	Unconjugated
Applications	WB, IF, FC
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	PBS, 0.05% (w/v) Sodium Azide
Preservative	0.05% Sodium Azide
Storage	Store at -20°C long term. Avoid freeze / thaw cycle.
Ship	Wet ice

BACKGROUND

Introduction

The novel immune-type receptor (NITR) family includes activating and inhibitory forms that are predicted to function as natural killer receptors in teleost species. The only activating NITR gene in zebrafish is nitr9. The zebrafish nitr9 gene yields three alternatively spliced transcripts that encode three proteins isoforms: Nitr9-long (Nitr9L), Nitr9-short (Nitr9S), and Nitr9-supershort (Nitr9SS). Nitr9 transcripts are detectable in immune tissues, but are present at significantly higher levels in lymphocytes than in myeloid cells. The Nitr9L protein has been shown to physically partner with and signals via the adaptor protein Dap12.

Keywords

Nitr9;Novel immune-type receptor 9 short isoform;Novel immune-type receptor 9

GENE INFORMATION

Gene Name nitr9

Entrez Gene ID [449533](#)

UniProt ID [Q5CY6](#)