

## Product Datasheet

## Anti-Ankyrin-R Antibody FL490 Conjugate

NeuroMab



KO Validated

## Overview

<b>Catalog #</b>	75-380-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N388A/10
<b>Size</b>	200 $\mu$ L
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-1881 (full-length) of human Ankyrin-R (accession number P16157) produced recombinantly in E. Coli
<b>Molecular Weight</b>	200 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-380-FL490, RRID: AB_2940264

## Details

<b>Target Description</b>	Ankyrin-1 or -Ankyrin-R is encoded by the gene ANK1. Ankyrin R is a scaffold protein that functions to link proteins that mediate the attachment of integral membrane proteins to the spectrin-actin based membrane cytoskeleton. In this manner, ankyrin family proteins play key roles in various processes including cell motility, activation, proliferation, contact and the maintenance of specialized membrane domains. Ankyrin R is found expressed in erythrocytes, skeletal muscle and brain. Diseases associated with this gene include Spherocytosis.
<b>Specificity</b>	Does not cross-react with Ankyrin-B or Ankyrin-G
<b>Purification Method</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
<b>Quality Control Tests</b>	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

**Storage**

Aliquot and store at  $\leq -20^{\circ}\text{C}$  for long term storage. For short term storage, store at  $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

**Our Guarantee**

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