

## Product Datasheet

## Anti-MESD Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-129-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N88/12
<b>Size</b>	200 µL
<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 30-95 and 118-180 (lacking VSD domain) of mouse MESD (accession number Q9ERE7) produced recombinantly in E. Coli
<b>Molecular Weight</b>	26 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-129-FL490, RRID: AB_2939480

## Details

<b>Target Description</b>	Mesoderm Development LRP Chaperone is encoded by the gene MESD. MESD is a member of the MESD family. MESD is a chaperone specifically assisting the folding of beta-propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs). MESD acts as a modulator of the Wnt pathway through chaperoning the coreceptors of the canonical Wnt pathway, LRP5 and LRP6, to the plasma membrane. MESD is essential for the specification of embryonic polarity and mesoderm induction. MESD plays an essential role neuromuscular junction (NMJ) formation by promoting cell-surface expression of LRP4. MESD is expressed in many tissues, but not in skeletal muscles. Diseases associated with MESD include Osteogenesis Imperfecta, Type Xx and Epilepsy, Nocturnal Frontal Lobe, 2.
<b>Specificity</b>	No cross-reactivity reported
<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.

**Quality Control Tests**

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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As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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