

Product Datasheet

Anti-MFF Antibody FL594 Conjugate

NeuroMab



KO Validated

Overview

Catalog #	75-366-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N382/14
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 1-173 (MSKRTSSDTPLGRVSGAAFPSPTASEMAEISRIQYEMEYTEGIS QRM RVPEKLVAPPNADLEQGFQEGV PNASVIMQVPERIVVAGNNEDVSFSRPADLDLIQS TPFKPLALKTPPRVLTLSERPLDFDLERPPVTPQNEEIRAVGRLKRERSMSENAVRQNGQL VRNDSV, cytoplasmic N-terminal exons 1, 2, 3 and 4)
Molecular Weight	40 kDa
Cite this Antibody	Antibodies Inc Cat# 75-366-FL594, RRID: AB_2940230

Details

Target Description	Mitochondrial fission factor, also known as Mff, is a tail-anchored, outer mitochondrial membrane protein that is part of a complex process controlling mitochondrial and peroxisomal fission in conjunction with Drp1 and Fis1 (Schrader and Yoon, 2007). The rate of mitochondrial fission and fusion balance each other for cell growth and survival of mitochondria. Fission can be greatly accelerated when cytochrome c is released during apoptosis (Desagher and Martinou, 2000). Mff was identified as an important component of the process through siRNA transfected cells, isolating the protein in the P2 pellet and demonstrating that Mff is exposed to the cytosol (Gandre-Babbe and van der Bliëk 2008). Mff has been identified at different stages of the fission process working alongside, rather than in complex with, Fis1 suggesting that Mff contributes to fission independent of the Fis1 complex (Gandre-Babbe and van der Bliëk 2008).
Specificity	No cross-reactivity reported

Purification Method	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.

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