MEF2A Conjugated Antibody

Catalog No: #C49566

Package Size: #C49566-AF350 100ul #C49566-AF405 100ul #C49566-AF488 100ul #C49566-AF555 100ul #C49566-AF594 100ul #C49566-AF647 100ul #C49566-AF680 100ul #C49566-AF750 100ul #C49566-Biotin 100ul

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Description

Product Name	MEF2A Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ADCAD1 antibody MADS box transcription enhancer factor 2, polypeptide A (myocyte enhancer factor 2A) antibody MEF2 antibody MEF2A antibody MEF2A_HUMAN antibody Myocyte enhancer factor 2A antibody Myocyte-specific enhancer factor 2A antibody RSRFC4 antibody RSRFC9 antibody Serum response factor like protein 1 antibody Serum response factor-like protein 1 antibody
Accession No.	Swiss-Prot#:Q02078
Uniprot	Q02078
GeneID	4205;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	54 kDa
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

Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT]4TAR-3', found in numerous muscle-specific genes. Also involved in the activation of numerous growth factor- and stress-induced genes. Mediates cellular functions not only in skeletal and cardiac muscle development, but also in neuronal differentiation and survival. Plays diverse roles in the control of cell growth, survival and apoptosis via p38 MAPK signaling in muscle-specific and/or growth factor-related transcription. In cerebellar granule neurons, phosphorylated and sumoylated MEF2A represses transcription of NUR77 promoting synaptic differentiation. Associates with chromatin to the ZNF16 promoter.

Note: This product is for in vitro research use only