

## MyoD (Phospho-Ser200) Conjugated Antibody

Catalog No: #C11077



Package Size: #C11077-AF350 100ul #C11077-AF405 100ul #C11077-AF488 100ul  
 #C11077-AF555 100ul #C11077-AF594 100ul #C11077-AF647 100ul  
 #C11077-AF680 100ul #C11077-AF750 100ul #C11077-Biotin 100ul

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## Description

Product Name	MyoD (Phospho-Ser200) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of MyoD only when phosphorylated at serine 200.
Immunogen Description	Peptide sequence around phosphorylation site of serine 200 (A-S-S(p)-P-R) derived from Human MyoD.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	MYF3;MYOD;MYOD1
Accession No.	Swiss-Prot#:P15172NCBI Gene ID:4654NCBI mRNA#:NM_002478.4NCBI Protein#: NP_002469.2
Uniprot	P15172
GeneID	4654;
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	40
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

## Product Description

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Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

## Background

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MyoD encodes a nuclear protein that belongs to the basic helix-loop-helix family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis.

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Note: This product is for in vitro research use only