



# Anti-DMD monoclonal antibody, clone 6C5 (CABT-53802MH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse anti Human Dystrophin antibody, clone 6C5 recognizes the C terminal portion of human dystrophin, a rod shaped protein critical to the anchoring of the muscle fibre cytoskeleton to the surrounding extracellular matrix. Mutation of the dystrophin gene can lead to muscular dystrophy. In IHC this antibody stains at the periphery of muscle fibres. We recommend the use of a sensitive detection system. Mouse anti Human Dystrophin antibody, clone 6C5 does not recognise dystrophin in the mdx strain of mouse.
<b>Specificity</b>	DYSTROPHIN
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Chicken, Dog, Hamster, Mouse, Pig, Rabbit, Rat
<b>Clone</b>	6C5
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-Fr; WB
<b>Format</b>	Tissue Culture Supernatant - lyophilised
<b>Size</b>	2.5 ml
<b>Preservative</b>	None
<b>Storage</b>	in frost-free freezers is not recommended. This product should be stored undiluted.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DMD dystrophin [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DMD
<b>Synonyms</b>	DMD; dystrophin; BMD; CMD3B; MRX85; DXS142; DXS164; DXS206; DXS230; DXS239; DXS268; DXS269; DXS270; DXS272; DYSTROPHIN;
<b>Entrez Gene ID</b>	<a href="#">1756</a>
<b>Protein Refseq</b>	<a href="#">NP_000100</a>
<b>UniProt ID</b>	P11532
<b>Chromosome Location</b>	Xp21.2
<b>Pathway</b>	Arrhythmogenic right ventricular cardiomyopathy; Arrhythmogenic right ventricular cardiomyopathy (ARVC); Dilated cardiomyopathy; Extracellular matrix organization; Hypertrophic cardiomyopathy (HCM); Muscle contraction; Non-integrin membrane-ECM interactions; Striated Muscle Contraction;
<b>Function</b>	actin binding; dystroglycan binding; myosin binding; nitric-oxide synthase binding; protein binding; structural constituent of cytoskeleton; structural constituent of muscle; vinculin binding; zinc ion binding;