

Mouse anti-Human MBNL3 Monoclonal Antibody | anti-MBNL3 antibody

MBNL3 Mouse Monoclonal Antibody [Clone PCRP-MBNL3-1D11]

CATALOG # AAA215855	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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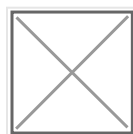
PRODUCT SYNONYMS

MBNL3; Monoclonal Antibody; MBNL3 Mouse Monoclonal Antibody [Clone PCRP-MBNL3-1D11]; CHCR; Cys3His CCG1 required protein; MBLX; MBLX39; Muscblind like protein 3; Muscblind like splicing regulator 3; Muscblind-like X-linked protein; Protein HCHCR; RP23-98P13. 1; anti-MBNL3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG2b
Clone Number	PCRP-MBNL3-1D11
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-MBNL3 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Recombinant full-length human MBNL3 protein
Cellular Localization	Nucleus, Cytoplasm, Greater concentration in the nucleus, In both DM1 and DM2 patients, colocalizes with nuclear foci of retained expanded-repeat transcripts
Positive Control	HeLa or MCF7 cells.
Hu-chromosome Location	Xq26.2
Unigene	105134 & 596347
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of PFA-fixed HeLa cells. MBNL3 Mouse Monoclonal Antibody (PCRP-MBNL3-1D11) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

ADDITIONAL INFORMATION

Related Product Information for anti-MBNL3 antibody	Pre-mRNA splicing is a critical step in the posttranscriptional regulation of gene expression. Several protein complexes are involved in proper mRNA splicing and transport. The muscleblind proteins, MBNL1, MBNL2 and MBNL3, promote inclusion or exclusion of specific exons on different pre-mRNAs by antagonizing the activity of CUG-BP and ETR-3-like factors bound to distinct intronic sites. MBNL1 and 2, which associate with expanded CUG repeats in vitro, localize to the nuclear foci in both DM1 and DM2 (myotonic dystrophy types 1 and 2), suggesting that the nuclear accumulation of mutant RNA is pathogenic in DM1, therefore implicating MBNL1 and 2 in the pathogenesis of both disorders. MBNL3, a 354 amino acid protein, inhibits expression of muscle differentiation, opposite to the function of MBNL1, which functions as a promoter of muscle differentiation. MBNL3 shows strong expression in placenta.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19387844
NCBI GeneID	55796
NCBI Accession #	NP_060858
NCBI GenBank Nucleotide #	NM_018388
UniProt Accession #	Q9NUK0; Q5JXN8; Q5JXN9; Q5JXP4; Q6UDQ1; Q8IUR4; Q8TAD9; Q8TAF4; Q9H0Z7; Q9UF37
Molecular Weight	27,687 Da
NCBI Official Full Name	muscleblind-like protein 3 isoform 1
NCBI Official Synonym Full Names	muscleblind-like splicing regulator 3
NCBI Official Symbol	MBNL3
NCBI Official Synonym Symbols	CHCR; MBLX; MBXL; MBLX39
NCBI Protein Information	muscleblind-like protein 3; Cys3His CCG1-required protein; muscleblind-like 3; muscleblind-like X-linked protein
UniProt Protein Name	Muscleblind-like protein 3
UniProt Gene Name	MBNL3
UniProt Synonym Gene Names	CHCR; MBLX39; MBXL
UniProt Entry Name	MBNL3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mbnl3-antibody-clone-pcrp-mbnl3-1d11-flow-cytometry-elisa/215855>