

# Product Datasheet

## Muscleblind-like 1 Antibody (3E7) H00004154-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00004154-M02****Muscleblind-like 1 Antibody (3E7)**

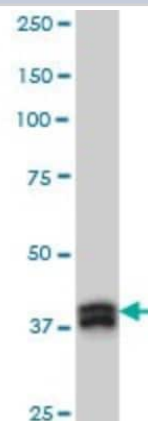
| <b>Product Information</b> |  |
|----------------------------|--|
| <b>Unit Size</b>           | 0.1 mg   |
| <b>Concentration</b>       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| <b>Storage</b>             | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.   |
| <b>Clonality</b>           | Monoclonal   |
| <b>Clone</b>               | 3E7  |
| <b>Preservative</b>        | No Preservative  |
| <b>Isotype</b>             | IgG2a Kappa  |
| <b>Purity</b>              | IgG purified   |
| <b>Buffer</b>              | In 1x PBS, pH 7.4  |

| <b>Product Description</b>     |  |
|--------------------------------|--|
| <b>Description</b>             | Quality control test: Antibody Reactive Against Recombinant Protein.   |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 4154   |
| <b>Gene Symbol</b>             | MBNL1  |
| <b>Species</b>                 | Human, Mouse   |
| <b>Specificity/Sensitivity</b> | MBNL1 - muscleblind-like (Drosophila)  |
| <b>Immunogen</b>               | MBNL1 (AAH43493, 1 a.a. ~ 382 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>MAVSVTPIRDTKWLTLEVCREFQRGTCSRPDTECKFAHPSKSCQVENGRVIAC<br>FDSLKGRCSRENCKYLHPPPHLKTQLEINGRNNLIQQKNMAMLAQQMQLANA<br>MMPGAPLQPVPMFVSAPSLATNASAAAFNPYLGPVSPSLVPAEILPTAPMLVT<br>GNPGVPVAAAAAAQKLIRTDRLVCREYQRGNCNRGENDCRFAHPADSTM<br>IDTNDNTVTVCMDYIKGRCSREKCKYFHPPAHLQAKIKAAQYQVNQAAAAQAA<br>ATAAAMGIPQAVLPPLPKRPALEKTNGATAVFNTGIFQYQQALANMQLQQHTA<br>FLPPGSILCMTPTSVMVHGATPATVSAATTSATSVPAATATANQIPIISAEH<br>LTSHKYVTQM |
| <b>Notes</b>                   | This product is produced by and distributed for Abnova, a company based in Taiwan.   |

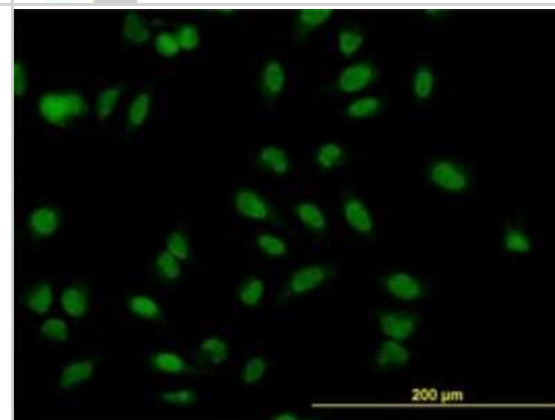
| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin       |
| <b>Recommended Dilutions</b>       | Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin |
| <b>Application Notes</b>           | Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA. |

## Images

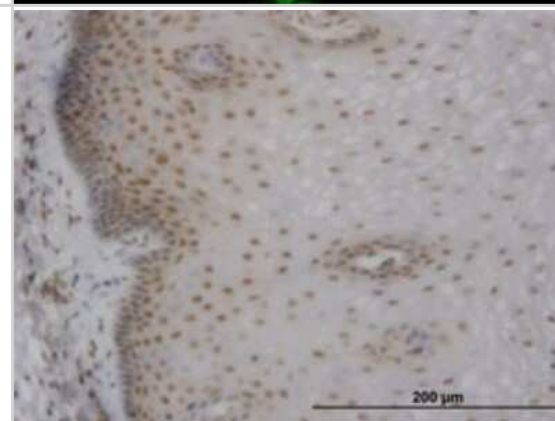
Western Blot: Muscleblind-like 1 Antibody (3E7) [H00004154-M02] - MBNL1 monoclonal antibody (M02), clone 3E7 Analysis of MBNL1 expression in Hela S3 NE.



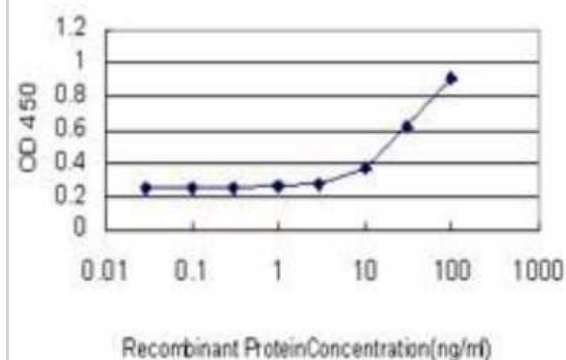
Immunocytochemistry/Immunofluorescence: Muscleblind-like 1 Antibody (3E7) [H00004154-M02] - Analysis of monoclonal antibody to MBNL1 on HeLa cell. Antibody concentration 10 ug/ml.



Immunohistochemistry-Paraffin: Muscleblind-like 1 Antibody (3E7) [H00004154-M02] - Analysis of monoclonal antibody to MBNL1 on formalin-fixed paraffin-embedded human esophagus. Antibody concentration 0.75 ug/ml.



ELISA: Muscleblind-like 1 Antibody (3E7) [H00004154-M02] - Muscleblind-like 1 Antibody (3E7) [H00004154-M02] - Detection limit for recombinant GST tagged MBNL1 is approximately 3ng/ml as a capture antibody.



## Publications

Yadava R, Kim Y, Mandal M et al. MBNL1 overexpression is not sufficient to rescue the phenotypes in a mouse model of RNA toxicity. *Hum Mol Genet.* 2019-07-15 [PMID: 30997488]

Ravel-Chapuis A, Al-Rewashdy A, Belanger G et al. Pharmacological and physiological activation of AMPK improves the spliceopathy in DM1 mouse muscles. *Hum Mol Genet* 2018-08-08 [PMID: 29982462]

Rehman S, Gladman JT, Periasamy A et al. Development of an AP-FRET Based Analysis for Characterizing RNA-Protein Interactions in Myotonic Dystrophy (DM1). *PLoS One.* 2014-04-29 [PMID: 24781112]





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### **Products Related to H00004154-M02**

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|                    |   |
|--------------------|---|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]              |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]   |
| NBP1-96981-0.5mg   | Mouse IgG2a Kappa Isotype Control (M2AK)                  |
| H00004154-P02-10ug | Recombinant Human Muscleblind-like 1 GST (N-Term) Protein |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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