

## Product datasheet for TA336595

### HNRPM (HNRNPM) Mouse Monoclonal Antibody [Clone ID: 1D8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1D8
Applications:	WB
Recommend Dilution:	WB: 1:500, IF: 1:10-1:500, IHC: 1:10-1:500, IHC-F: 1:10-1:500, IHC-P: 1:10-1:500, IP: 1:10-1:500
Reactivity:	Bovine, Human, Mouse, Porcine, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	M19 fusion protein containing full-length human protein. [UniProt# P52272]
Formulation:	Preservative: 0.05% Sodium Azide. Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Concentration:	This product is unpurified. The exact concentration of antibody is not quantifiable.
Purification:	Ascites
Gene Name:	heterogeneous nuclear ribonucleoprotein M
Database Link:	<a href="#">NP_112480</a> <a href="#">Entrez Gene 76936</a> <a href="#">MouseEntrez Gene 116655</a> <a href="#">RatEntrez Gene 4670</a> <a href="#">Human</a>
Background:	RNA-binding proteins of mammalian hnRNP (heterogeneous nuclear ribonucleo protein) family represents a group of over 20 distinct evolutionary conserved proteins which share a capability to bind pre-mRNA/mRNA, and also binds to specific RNA motifs with high-affinity. They exhibit huge functional diversity and implicates in almost every step in mRNA's life cycle (from transcription and processing to transport and translation). hnRNP M is an abundant protein containing three RNA recognition motifs (RRM), a glycine/methionine-rich region and a methionine/arginine-rich repeat motif. It has four protein variants, hnRNP M1-4, ranging in molecular size from 68 to 72 kD which corresponds to spliced isoforms and/or posttranslationally modified forms. hnRNP M is a nucleolar protein and has been Identified in the spliceosome C complex. It acts as a pre-mRNA binding protein in vivo, binds avidly to poly(G) and poly(U) RNA homopolymers in vitro, and is involved in splicing. hnRNP M acts as a receptor for carcinoembryonic antigen in Kupffer cells, may initiate a series of signaling events leading to tyrosine phosphorylation of proteins and induction of IL-1 alpha, IL-6, IL-10 and TNF-alpha cytokines.



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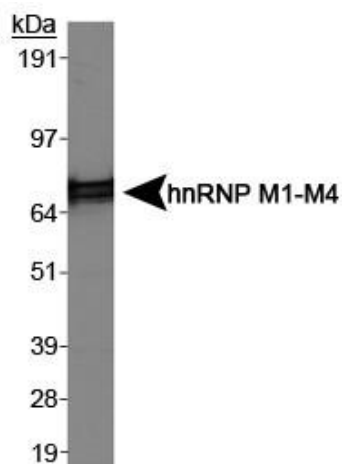
**Synonyms:** CEAR; hnRNP M; HNRNPM4; HNRPM; HNRPM4; HTGR1; NAGR1

**Note:** This hnRNP M1-M4 (1D8) antibody is useful for Immunocytochemistry/Immunofluorescence, Immunohistochemistry on paraffin-embedded and frozen sections, Immunoprecipitation and Western blot. A 64-68 kDa band can be seen in a Western blot using HeLa cell lysate.

**Protein Families:** Druggable Genome

**Protein Pathways:** Spliceosome

### Product images:



Western Blot: hnRNP M1-M4 Antibody (1D8)  
TA336595 - Analysis of hnRNP M1-M4 in HeLa cell lysates using TA336595.