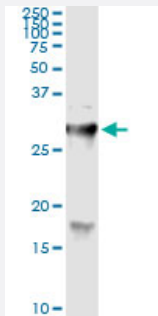


# HYAL1 monoclonal antibody (M01), clone 2H7

Catalog # H00003373-M01

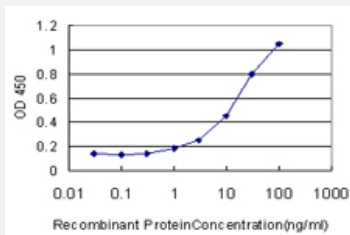
Size 100 ug

## Applications



### Immunoprecipitation

Immunoprecipitation of HYAL1 transfected lysate using anti-HYAL1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with HYAL1 MaxPab rabbit polyclonal antibody.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HYAL1 is approximately 1ng/ml as a capture antibody.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant HYAL1.
<b>Immunogen</b>	HYAL1 (NP_009296, 60 a.a. ~ 159 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	ANPGQTFRGPDMTIFYSSQLGTYPYPTTGEVPVFGGLPQNASLIAHLARTFQDILAAIPAPDFSGLA VIDWEAWRPRWAFNWDTKDIYRQSRALVQAQH
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2a Kappa

Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Immunoprecipitation

Immunoprecipitation of HYAL1 transfected lysate using anti-HYAL1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with HYAL1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HYAL1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — HYAL1

Entrez GeneID	<a href="#">3373</a>
GeneBank Accession#	<a href="#">NM_007312</a>
Protein Accession#	<a href="#">NP_009296</a>
Gene Name	HYAL1
Gene Alias	HYAL-1, LUCA1, MGC45987, NAT6
Gene Description	hyaluronoglucosaminidase 1
Omim ID	<a href="#">601492 607071</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

This gene encodes a lysosomal hyaluronidase. Hyaluronidases intracellularly degrade hyaluronan, one of the major glycosaminoglycans of the extracellular matrix. Hyaluronan is thought to be involved in cell proliferation, migration and differentiation. This enzyme is active at an acidic pH and is the major hyaluronidase in plasma. Mutations in this gene are associated with mucopolysaccharidosis type IX, or hyaluronidase deficiency. The gene is one of several related genes in a region of chromosome 3p21.3 associated with tumor suppression. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

hyaluronidase 1|plasma hyaluronidase|tumor suppressor LUCA-1

**Pathway**

- [Glycosaminoglycan degradation](#)
- [Metabolic pathways](#)

**Disease**

- [Cleft Lip](#)
- [Cleft Palate](#)