



# Anti-GAPDH monoclonal antibody, clone 7G8 (DMAB1697MR)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	MAb to glyceraldehyde-3-PDH Monoclonal Antibody to Glyceraldehyde-3-phosphate dehydrogenase (GAPDH)
<b>Antigen Description</b>	Glyceraldehyde 3-phosphate dehydrogenase (abbreviated as GAPDH or less commonly as G3PDH) (EC 1.2.1.12) is an enzyme of ~37kDa that catalyzes the sixth step of glycolysis and thus serves to break down glucose for energy and carbon molecules. In addition to this long established metabolic function, GAPDH has recently been implicated in several non-metabolic processes, including transcription activation, initiation of apoptosis,[1] and ER to Golgi vesicle shuttling.
<b>Specificity</b>	Recognizes GAPDH monomer (36 kDa) and the dimer form. Does not react with the tetrameric form. Reacts with GAPDH from human, pig, goat, dog, rabbit and cat. Does not react with GAPDH from bovine, rat, mouse and fish.
<b>Immunogen</b>	Rabbit muscle GAPDH
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Rabbit
<b>Clone</b>	7G8
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	>90% pure (SDS-PAGE). Protein A chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in

its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Recommended pairs for sandwich immunoassay:

Capture Detection

DMAB1697MH DMAB1692MH

DMAB1697MH DMAB1847MH

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<b>Format</b>	Purified, Liquid
<b>Concentration</b>	3.6mg/ml (Sigma protein assay kit)
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Store at 2–8°C.

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## GENE INFORMATION

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<b>Gene Name</b>	<a href="#">GAPDH glyceraldehyde-3-phosphatedehydrogenase [ <i>Oryctolagus cuniculus</i> ]</a>
<b>Official Symbol</b>	GAPDH
<b>Synonyms</b>	GAPD; aging-associated gene 9 protein; GAPDH; glyceraldehyde 3-phosphate dehydrogenase; G3PD; MGC88685; peptidyl-cysteine S-nitrosylase GAPDH; OTTHUMP00000174434; OTTHUMP00000174432; EC 1.2.1.12; glyceraldehyde-3-phosphate dehydrogenase rin
<b>Entrez Gene ID</b>	<a href="#">100009074</a>
<b>Protein Refseq</b>	<a href="#">NP_001075722</a>
<b>UniProt ID</b>	<a href="#">P46406</a>

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