



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

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

PRODUCT INFORMATION

Product Overview	MAb to glyceraldehyde-3-PDH Monoclonal Antibody to Glyceraldehyde-3-phosphate dehydrogenase (GAPDH)
Antigen Description	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.
Specificity	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.
Immunogen	Rabbit muscle GAPDH
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rabbit
Clone	7G8
Affinity Constant	Not determined
Purification	>90% pure (SDS-PAGE). Protein A chromatography
Conjugate	Unconjugated
Applications	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

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

GENE INFORMATION

Gene Name	GAPDH glyceraldehyde-3-phosphatedehydrogenase [Oryctolagus cuniculus]
Official Symbol	GAPDH
Synonyms	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
Entrez Gene ID	100009074
Protein Refseq	NP_001075722
UniProt ID	P46406