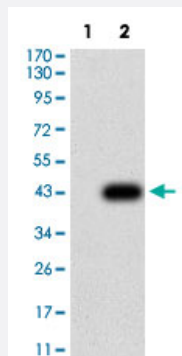


AMY1A monoclonal antibody, clone 1G4D8

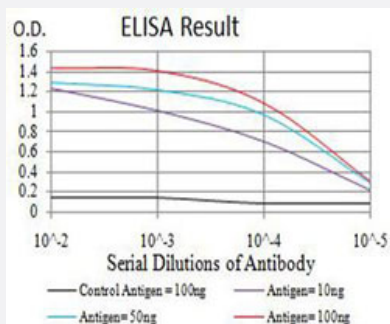
Catalog # MAB17900 Size 100 ug

Applications



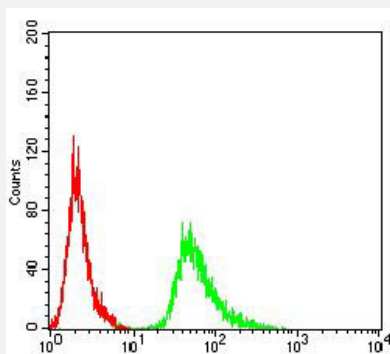
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: AMY1A-hlgGfC transfected HEK293 cell lysates with AMY1A monoclonal antibody, clone 1G4D8 (Cat # MAB17900).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with AMY1A monoclonal antibody, clone 1G4D8 (Cat # MAB17900).



Flow Cytometry

Flow cytometric analysis of MCF-7 cells with AMY1A monoclonal antibody, clone 1G4D8 (Cat # MAB17900) (Green). Red: Negative Control.

Specification

Product Description

Mouse monoclonal antibody raised against partial recombinant human AMY1A.

Immunogen	Recombinant protein corresponding to amino acids 172-284 of human AMY1A.
Host	Mouse
Theoretical MW (kDa)	57.8
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: AMY1A-hlgGfc transfected HEK293 cell lysates with AMY1A monoclonal antibody, clone 1G4D8 (Cat # MAB17900).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with AMY1A monoclonal antibody, clone 1G4D8 (Cat # MAB17900).

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Flow cytometric analysis of MCF-7 cells with AMY1A monoclonal antibody, clone 1G4D8 (Cat # MAB17900) (Green). Red: Negative Control.

Gene Info — AMY1A

Entrez GeneID	276
Protein Accession#	P04745
Gene Name	AMY1A

Gene Alias	AMY1, AMY1B
Gene Description	amylase, alpha 1A (salivary)
Omim ID	104700
Gene Ontology	Hyperlink
Gene Summary	<p>Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the salivary gland. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]</p>
Other Designations	1,4-alpha-D-glucan glucanohydrolase OTTHUMP00000012688 alpha-amylase amylase, salivary, alpha-1A glycogenase salivary amylase alpha 1A

Pathway

- [Metabolic pathways](#)
- [Starch and sucrose metabolism](#)