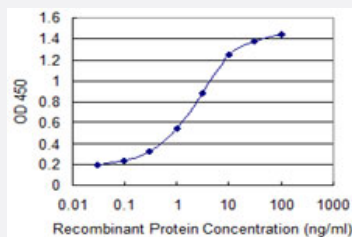


ENAM monoclonal antibody (M01), clone 2C12

Catalog # H00010117-M01

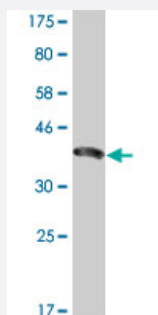
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ENAM is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ENAM.
Immunogen	ENAM (NP_114095, 1043 a.a. ~ 1141 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ERQQQRPSNILHLPFCGSKLAKHHSSTGTTPSSDGRQSPFDGDSITPTENPNTLVELATEEQFKSI NVDPLDADEHSPFEFLQRGTNVQDQVQDCLLLQ
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (43); Rat (42)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ENAM is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ENAM

Entrez GeneID	10117
GeneBank Accession#	NM_031889
Protein Accession#	NP_114095
Gene Name	ENAM
Gene Alias	ADAI, AI1C, AIH2
Gene Description	enamelin
Omim ID	104500 606585 608563
Gene Ontology	Hyperlink

Gene Summary

Dental enamel is a highly mineralized tissue with 85% of its volume occupied by unusually large, highly organized, hydroxyapatite crystals. This highly organized and unusual structure is thought to be rigorously controlled in ameloblasts through the interaction of a number of organic matrix molecules that include enamelin, amelogenin (AMELX; MIM 300391), ameloblastin (AMBN; MIM 601259), tuftelin (TUFT1; MIM 600087), dentine sialophosphoprotein (DSPP; MIM 125485), and a variety of enzymes. Enamelin is the largest protein in the enamel matrix of developing teeth and comprises approximately 5% of total enamel matrix protein.[supplied by OMIM]

Other Designations

OTTHUMP00000160363|amelogenesis imperfecta 2, hypocalcification (autosomal dominant)

Disease

- [Dental Caries](#)