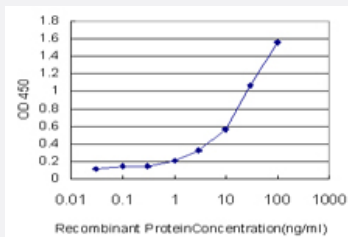


APLN monoclonal antibody (M02), clone 1A8-2A5

Catalog # H00008862-M02

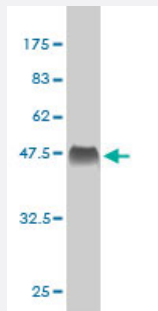
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (39.16 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant APLN.
Immunogen	APLN (AAH21104.1, 1 a.a. ~ 122 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSATWCSPGQGMGQGPGRVGGNSAASGPASPIRDPCLSEAGLKGPPSAHPRRLCLLHRLV CFSGGLTSIQLSPRTCCSHQWAQLFSPACFPQWRAPGCSLDDSRSLTRIRPVHLPGPSLD
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (83); Rat (81)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (39.16 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 APLN is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — APLN

Entrez GeneID	8862
GeneBank Accession#	BC021104.1
Protein Accession#	AAH21104.1
Gene Name	APLN
Gene Alias	XNPEP2
Gene Description	apelin
Omim ID	300297
Gene Ontology	Hyperlink

Gene Summary

Apelin is a neuropeptide expressed in the supraoptic and paraventricular nuclei that acts on specific receptors located on vasopressinergic neurons (De Mota et al., 2004) [PubMed 15231996]. [supplied by OMIM]

Other Designations

apelin, AGTRL1 ligand|peptide ligand for APJ receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Hypertension](#)