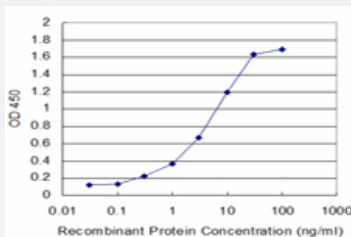


ALOX12 monoclonal antibody (M01), clone 2D10

Catalog # H00000239-M01

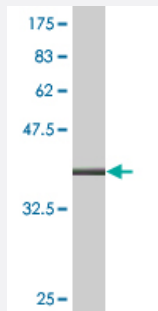
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ALOX12 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ALOX12.
Immunogen	ALOX12 (NP_000688, 564 a.a. ~ 663 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPPTTKEDVTMATVMGSLPDVRQACLQMAISWHLSSRRQPDMVPLGHHKEYFSGPKPKAVLNQ FRTDLEKLEKEITARNEQLDWPYEYLPSCIENSVTI
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (79)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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 ALOX12 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ALOX12

Entrez GeneID	239
GeneBank Accession#	NM_000697
Protein Accession#	NP_000688
Gene Name	ALOX12
Gene Alias	12-LOX, 12S-LOX, LOG12
Gene Description	arachidonate 12-lipoxygenase
Omim ID	152391
Gene Ontology	Hyperlink
Other Designations	12(S)-lipoxygenase platelet-type 12-lipoxygenase

Publication Reference

- [Systematic analysis of rat 12/15-lipoxygenase enzymes reveals critical role for spinal eLOX3 hepoxilin synthase activity in inflammatory hyperalgesia.](#)

Gregus AM, Dumlao DS, Wei SC, Norris PC, Catella LC, Meyerstein FG, Buczynski MW, Steinauer JJ, Fitzsimmons BL, Yaksh TL, Dennis EA.

The FASEB Journal 2013 May; 27(5):1939.

Application: WB, Rat, rat spinal cord

Pathway

- [Arachidonic acid metabolism](#)
- [Metabolic pathways](#)

Disease

- [Adenocarcinoma](#)
- [Adenoma](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)

- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
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