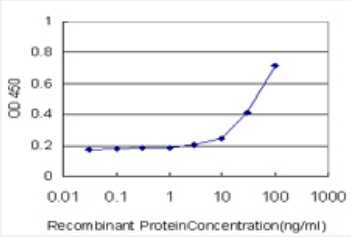
EXT1 monoclonal antibody (M01), clone 5A5

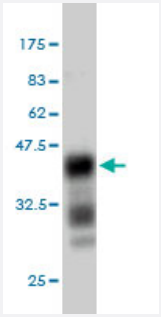
Catalog # H00002131-M01 Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged EXT1 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant EXT1.
Immunogen	EXT1 (AAH01174, 246 a.a. ~ 345 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GERGFLKFNTIPPLRKYMLVFKGKRYLTGIGSDTRNALYHVHNGEDVVLLTTCKHGKDWQKHKDS RCDRDNTEYEKYDYREMLHNATFCLVPRGRRLGSF
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (99); Rat (99)
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 EXT1 is approximately 3ng/ml as a capture antibody.

  Protocol Download

- ELISA

Gene Info — EXT1

Entrez GeneID	2131
GeneBank Accession#	BC001174
Protein Accession#	AAH01174
Gene Name	EXT1
Gene Alias	EXT, LGCR, LGS, TRPS2, ttv
Gene Description	exostosin 1
Omim ID	133700 215300 608177
Gene Ontology	Hyperlink

Gene Summary	This gene encodes an endoplasmic reticulum-resident type II transmembrane glycosyltransferase involved in the chain elongation step of heparan sulfate biosynthesis. Mutations in this gene cause the type I form of multiple exostoses. [provided by RefSeq
Other Designations	Langer-Giedion syndrome chromosome region|N-acetylglucosaminyl-proteoglycan 4-beta-glucuronosyltransferase|OTTHUMP00000066043|exostosin 1|glucuronosyl-N-acetylglucosaminyl-proteoglycan 4-alpha-N- acetylglucosaminyltransferase

Pathway

- Heparan sulfate biosynthesis
- Metabolic pathways

Disease

- Exostoses
- Genetic Predisposition to Disease
- Growth Disorders