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Datasheet

ELA3A monoclonal antibody (M02), clone 3G4

Catalog Number: H00010136-M02

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant ELA3A.

Clone Name: 3G4

Immunogen: ELA3A (AAH07028, 16 a.a. ~ 270 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
SGYGPPSSHSSSRVVHGEDAVPYSWPWQVSLQYEK
SGSFYHTCGGSLIAPDWVVTAGHCISRDLTYQVVLGE
YNLAVKEGPEQVIPINSEELFVHPLWNRSCVACGNDIA
LIKLSRSAQLGDAVQLASLPPAGDILPNKTPCYITGWG
RLYTNGPLPDKLQQARLPVVDYKHCSRWNWWGSTV
KKTMVCAGGYIRSGCNGDSGGPLNCPTEDGGWQVH
GVTSFVSGFGCNFIWKPTVFTRVSAFIDWIEETIASH

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, S-ELISA, WB-Re, WB-Ti (See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 10136

Gene Symbol: ELA3A

Gene Alias: ELA3

Gene Summary: Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase 3A has little elastolytic activity. Like most of the human elastases, elastase 3A is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and kallikrein, it has a digestive function in the intestine. Elastase 3A preferentially cleaves proteins after alanine residues. Elastase 3A may also function in the intestinal transport and metabolism of cholesterol. Both elastase 3A and elastase 3B have been referred to as protease E and as elastase 1. [provided by RefSeq]