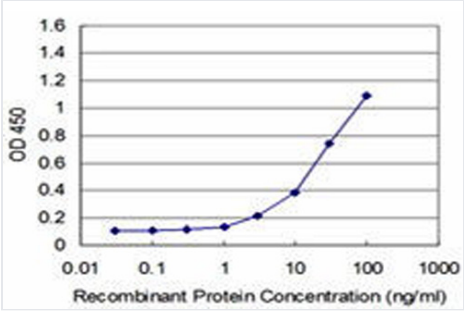
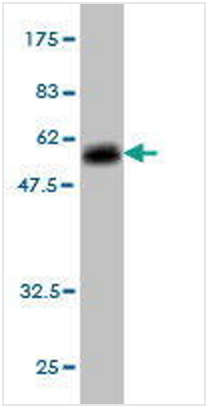
CELA3A Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CELA3A, Monoclonal Antibody
Full Product Name	CELA3A (ELA3, ELA3A, Chymotrypsin-like Elastase Family Member 3A, Elastase IIIA, Elastase-3A, Protease E) (MaxLight 750)
Product Gene Name	anti-CELA3A antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	3G4
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CELA3A.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
3D Structure	ModBase 3D Structure for P09093
Immunogen	Full length recombinant protein corresponding to aa16-270 from CELA3A with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SGYGPPSSHSSSRVVHGEDAVPYSWPWQVSLQYEKSGSFYHTCGGSLIAPDWVVTAGHCISRDLTYQVVLGEYNLAVKEGPEQVIPINSEELFVHPLWN
Conjugate	MaxLight750
Product Categories/Family for anti-CELA3A antibody	Antibodies; Elastase
Applications Tested/Suitable for anti-CELA3A antibody	FLISA, Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-CELA3A antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CELA3A antibody	MBS6232103 is an antibody targeting CELA3A. Also known as CELA3A (ELA3, ELA3A, Chymotrypsin-like Elastase Family Member 3A, Elastase IIIA,
Other Notes	Small volumes of anti-CELA3A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece



Testing Data of anti-CELA3A antibody
Detection limit for recombinant GST tagged CELA3A is ~1ng/ml using MBS6005575 as a capture antibody.



Western Blot (WB) of anti-CELA3A antibody
Western Blot detection against Immunogen using MBS6005575 (54.16kD).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CELA3A. It may not necessarily be applicable to this product.

NCBI GI #	13937847
NCBI GeneID	10136
NCBI Accession #	BC007028
NCBI Related Accession #	AAH07028
UniProt Primary Accession #	P09093
UniProt Related Accession #	P09093
NCBI Official Full Name	Homo sapiens elastase 3A, pancreatic, mRNA
NCBI Official Synonym Full Names	chymotrypsin like elastase 3A
NCBI Official Symbol	CELA3A
NCBI Official Synonym Symbols	ELA3; ELA3A
UniProt Protein Name	Chymotrypsin-like elastase family member 3A
UniProt Synonym Protein Names	Elastase IIIA; Elastase-3A; Protease E
Protein Family	Chymotrypsin-like elastase family
UniProt Gene Name	CELA3A
UniProt Synonym Gene Names	ELA3; ELA3A
UniProt Entry Name	CEL3A_HUMAN
NCBI Protein Information	chymotrypsin-like elastase family member 3A
NCBI Summary for CELA3A	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, Jul 2008]

UniProt Comments for CELA3A	CELA3A: Efficient protease with alanine specificity but only little elastolytic activity. Belongs to the peptidase S1 family. Elastase subfamily. Protein type: EC 3.4.21.70; Protease Chromosomal Location of Human Ortholog: 1p36.12 Molecular Function: serine-type endopeptidase activity Biological Process: cholesterol metabolic process; digestion; proteolysis
Research Articles on CELA3A	**1.** Complex Formation of Human Proelastases with Procarboxypeptidases A1 and A2.
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