

MGST3 monoclonal antibody (M03), clone 1C4

Catalog # H00004259-M03

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant MGST3.
Immunogen	MGST3 (AAH00505, 1 a.a. ~ 152 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAVLSKEYGFVLLTGAASFIMVAHLAINVSKARKKYKVEYPIMYSTDPENGHIFNCIQRAHQNTLEVY PPFLFFLAVGGVYHPRIASGLGLAWVGRVLYAYGYTGEP SKRSRGALGSIALLGLVGTTVCSAFQ HLGWVKSGLGSGPKCCH
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — MGST3

Entrez GeneID	4259
GeneBank Accession#	BC000505
Protein Accession#	AAH00505

Gene Name	MGST3
Gene Alias	GST-III
Gene Description	microsomal glutathione S-transferase 3
Omim ID	604564
Gene Ontology	Hyperlink
Gene Summary	The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, several of which are involved the production of leukotrienes and prostaglandin E, important mediators of inflammation. This gene encodes an enzyme which catalyzes the conjugation of leukotriene A4 and reduced glutathione to produce leukotriene C4. This enzyme also demonstrates glutathione-dependent peroxidase activity towards lipid hydroperoxides. [provided by RefSeq]
Other Designations	OTTHUMP00000032567 OTTHUMP00000032600 microsomal GST-3 microsomal GST-III microsomal glutathione S-transferase III

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)
- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)