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Produktinformation



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Diagnostik & molekulare Diagnostik



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Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GSTM1 monoclonal antibody (M01), clone 3B10

Catalog # : H00002944-M01

規格 : [100 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a partial recombinant GSTM1.

Immunogen: GSTM1 (AAH24005, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence: MPMLGYWDIRGLAHAIRLLLEYTDSSYEKKYTMGDAPDYDRSQWLNEKFKLGLDFPNLPYLIDGAHKITQSNAILCYARKHNLCGETEEEEKIRVDIL

Host: Mouse

Reactivity: Human

Isotype: IgG2a 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.

MSDS:  [Download](#)

Datasheet:  [Download](#)

Applications

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GSTM1 is approximately 10ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [2944](#)

GeneBank Accession#: [BC024005](#)

Protein Accession#: [AAH24005](#)

Gene Name: GSTM1

Gene Alias: GST1,GSTM1-1,GSTM1a-1a,GSTM1b-1b,GTH4,GTM1,H-B,MGC26563,MU,MU-1

Application Image

Sandwich ELISA (Recombinant protein)

ELISA

Gene glutathione S-transferase mu 1

Description:

Omim ID: [138350](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of certain drugs. Null mutations of this class mu gene have been linked with an increase in a number of cancers, likely due to an increased susceptibility to environmental toxins and carcinogens. Multiple protein isoforms are encoded by transcript variants of this gene. [provided by RefSeq

Other Designations: GST class-mu 1, HB subunit
4, OTTHUMP00000013346, OTTHUMP00000013347, S-(hydroxyalkyl)glutathione lyase, glutathione S-alkyltransferase, glutathione S-aralkyltransferase, glutathione S-aryltransferase, glutathione S-transferase M1

Gene Pathway

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

Related Disease

[Abnormalities](#), [Drug-Induced Abortion](#), [Habitual Absenteeism](#) [Acute Disease](#)
[Acute Lung Injury](#) [Adenocarcinoma](#) [Adenocarcinoma, Bronchiolo-Alveolar](#)
[Adenocarcinoma, Clear Cell](#) [Adenocarcinoma, Follicular](#) [Adenoma](#), [Liver Cell](#)
[Adenoma, Oxyphilic](#) [Adenomatous Polyposis Coli](#) [Airway Remodeling](#)
[Akathisia](#), [Drug-Induced Alcohol Withdrawal](#) [Delirium](#) [Alcoholism](#) [Alcohol-Related Disorders](#)
[alpha 1-Antitrypsin Deficiency](#)

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