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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GSTA1 monoclonal antibody (MP01), clone 2F7 (PE)

Catalog Number: H00002938-MP01

Regulation Status: For research use only (RUO)

Product Description: PE conjugated mouse monoclonal antibody raised against a full length recombinant GSTA1.

Clone Name: 2F7

Immunogen: GSTA1 (AAH53578.1, 1 a.a. ~ 222 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MAEKPKLHYFNARGRMESTRWLLAAAGVEFEEKFIKS
AEDLDKLRNDGYLMFQQVPMVEIDGMKLVQTRAILNYI
ASKYNLYGKDIKERALIDMYIEGIADLGEMILLPVCPE
EKDAKLALIKEIKNRYFPFAFEKVLKSHGQDYLVGKNL
SRADIHLVELLYVEELDSSLISSFLLKALKTRISNLPT
VKKFLQPGSPRKPPMDEKSLEEARKIFRF

Host: Mouse

Interspecies Antigen Sequence: Rat (76)

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

Conjugation: PE

Isotype: IgG1 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: 2938

Gene Symbol: GSTA1

Gene Alias: GST2, GSTA1-1, GTH1, MGC131939

Gene Summary: Cytosolic and membrane-bound forms
of glutathione S-transferase are encoded by two distinct

supergene families. These enzymes function in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding these enzymes 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 some drugs. 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 belonging to the alpha class. The alpha class genes, located in a cluster mapped to chromosome 6, are the most abundantly expressed glutathione S-transferases in liver. In addition to metabolizing bilirubin and certain anti-cancer drugs in the liver, the alpha class of these enzymes exhibit glutathione peroxidase activity thereby protecting the cells from reactive oxygen species and the products of peroxidation. [provided by RefSeq]