

## Anti-GSTZ1 Antibody (8F922)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8F922
Purification:	Protein A

## Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human GSTZ1 Protein (TMPY-03338)
Antigen Species:	Human
Synonyms:	MAAI;glutathione S-transferase ζ 1;MAI;GSTZ1-1;GSTZ1;glutathione S-transferase zeta 1

## Research Background

GSTZ1 (Glutathione S-Transferase Zeta 1) is a Protein Coding gene. 3 alternatively spliced human isoforms have been reported. GSTZ1 gene is a member of the glutathione S-transferase (GSTs) super-family which encodes multifunctional enzymes important in the detoxification of electrophilic molecules, including carcinogens, mutagens, and several therapeutic drugs, by conjugation with glutathione. GSTZ1 is a bifunctional protein that has minimal glutathione-conjugating activity with ethacrynic acid and 7-chloro-4-nitrobenzo-2-oxa-1,3-diazole and maleylacetoacetate isomerase activity. GSTZ1 catalyzes the glutathione-dependent oxygenation of dichloroacetic acid to glyoxylic acid. GSTZ1 participates in the catabolism of phenylalanine and tyrosine. Thus defects in GSTZ1 cause harsh metabolic disorders including alkaptonuria, phenylketonuria, and tyrosinemia.

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