



## Rabbit Anti-GGT5 light chain antibody

SL10458R

<b>Product Name:</b>	GGT5 light chain
<b>Chinese Name:</b>	$\gamma$ -谷氨酰转肽酶5轻链抗体
<b>Alias:</b>	Gamma glutamyl transpeptidase related enzyme; Gamma glutamyltranspeptidase 5; Gamma-glutamyl transpeptidase-related enzyme; Gamma-glutamyltransferase 5 heavy chain; Gamma-glutamyltransferase-like activity 1; Gamma-glutamyltranspeptidase 5; GGT 5; GGT REL; GGT-rel; GGT5; GGT5_HUMAN; DKFZP566O011; GGTLA1; Glutathione hydrolase 5; Leukotriene-C4 hydrolase; Gamma-glutamyltransferase 5 light chain.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	22kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Gamma-glutamyltransferase 5 light chain:388-450/586<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	g-glutamyltranspeptidase (GGT) acts as a glutathionase and catalyzes the transfer of the glutamyl moiety of Glutathione to a variety of amino acids and dipeptide acceptors.

This enzyme is located on the outer surface of the cell membrane and is widely distributed in mammalian tissues involved in absorption and secretion. In humans, hepatic GGT activity is elevated in some liver diseases. GGT1 is released into the bloodstream after liver damage and an elevated level of the enzyme may be a useful early sign of hepatocellular carcinoma. GGT5 converts Leukotriene C4 to Leukotriene D4; it does not, however, convert synthetic substrates that are commonly used to assay GGT. In human serum and tissues there is a marked heterogeneity in GGT, but this heterogeneity can be attributed to different glycosylation of the same peptide rather than to the products of different genes.

**Function:**

Cleaves the gamma-glutamyl peptide bond of glutathione conjugates, but maybe not glutathione itself. Converts leukotriene C4 (LTC4) to leukotriene D4 (LTD4).

**Subunit:**

Heterodimer composed of the light and heavy chains. The active site is located in the light chain

**Subcellular Location:**

Membrane; Single-pass type II membrane protein.

**Similarity:**

Belongs to the gamma-glutamyltransferase family.

**SWISS:**

P36269

**Gene ID:**

2687

**Database links:**

[Entrez Gene: 2687](#)Human

[Entrez Gene: 23887](#)Mouse

[Entrez Gene: 29566](#)Rat

[Omim: 137168](#)Human

[SwissProt: P36269](#)Human

[SwissProt: Q9Z2A9](#)Mouse

[SwissProt: Q9QWE9](#)Rat

[Unigene: 437156](#)Human

[Unigene: 257927](#)Mouse

[Unigene: 44367Rat](#)

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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