

### 32-6101: Mouse Anti Glutathione-S-transferase (GST)(Clone:P1E5AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	P1E5AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	GSTP1
<b>Gene ID :</b>	2950
<b>Uniprot ID :</b>	P09211
<b>Format :</b>	Purified
<b>Isotype :</b>	Mouse IgG2b heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti GST mAb is derived from hybridization of mouse SP2/0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant GST purified from E. coli.

#### Description

GST family of enzymes comprises a long list of cytosolic, mitochondrial, and microsomal proteins that are 45-55 kDa (dimer form) size and are capable of multiple reactions with a multitude of substrates, both endogenous and xenobiotic. GST catalyses the conjugation of reduced glutathione meaning the sulfhydryl group, to electrophilic centers on a wide variety of substrates. This activity is useful in the detoxification of endogenous compounds such as peroxidised lipids, as well as the metabolism of xenobiotics. GST binds toxins and function as transport protein. Glutathione S-transferase is used to create the so-called "GST gene fusion system". The GST is used to purify and detect proteins of interest. In a GST gene fusion system, the GST sequence is incorporated into an expression vector alongside the gene sequence encoding the protein of interest. Induction of protein expression from the vector's multiple cloning sites results in expression of a fusion protein - the protein of int

#### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	GST antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

#### Application Note

GST antibody has been tested ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 2,000. Recommended starting dilution is 1:1,000.