

## Product datasheet for **AM08430PU-N**

### GST-Tag Mouse Monoclonal Antibody [Clone ID: 3D4]

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	3D4
<b>Applications:</b>	ELISA, IHC, WB
<b>Recommended Dilution:</b>	Suitable for most immunological techniques requiring high titer binding and lot-to-lot consistency. <u>Recommended Dilutions:</u> ELISA: 1/20,000-1/100,000 Western Blot: 1/1,000-1/10,000
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Glutathione-S-Transferase [Schistosoma japonicum]
<b>Specificity:</b>	Reacts specifically with GST. Cross reactivity against Glutathione-S-Transferase from other sources may occur but has not been specifically determined.
<b>Formulation:</b>	0.02M Potassium Phosphate, 0.15M Sodium Chloride, pH 7.2 as buffer and 0.01% (w/v) Sodium Azide as preservative. State: Purified State: Liquid (sterile filtered) purified Ig fraction.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein A Chromatography.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C or below for longer. Avoid repeated freezing and thawing. Should this product contain a precipitate we recommend microcentrifugation before use.



**Stability:** Shelf life: one year from despatch.

**Database Link:** [P08515](#)

**Background:** GST (Glutathione-S-Transferase) is a protein expression tag commonly used in molecular biology. Anti-GST will react with synthetic construct present in most known GST containing cloning or expression vectors. GST is responsible for the conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. The amino acid sequence GST is highly conserved in most organisms including mammals. GST exists as a 26 kDa homodimer.

**Synonyms:** Glutathione S-transferase Tag, GST26-Tag

**Product images:**



Western blot using Affinity Purified anti-GST antibody to detect purified GST recombinant protein (Left) and in a lysate of HeLa cells expressing recombinant GST protein (Right). Approximately 0.1 g of protein was separated by SDS-PAGE and transferred onto