

Anti-GST tag Antibody (4G528)

Product Details

Ig Type:	IgG1, κ
Conjugation:	Unconjugated
Clone:	4G528
Purification:	Protein A affinity column

Applications

Application:	ELISA,IP,WB
Recommended	ELISA: 0.05-0.2 μ g/ml; IP: 1 μ g/ml; WB: 0.1-1.0 μ g/ml

Properties

Stability & Storage:	The lyophilized product store at -20°C or -80°C for 12 months. The reconstituted antibody can be stored at 2°C - 8°C for 2-3 weeks. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: GST protein
Synonyms:	GSTtag

Research Background

Schistosoma japonicum glutathione S-transferase (GST) is a 26 kDa enzyme that conjugates reduced glutathione to hydrophobic electrophiles. GST is an ideal fusion partner for production of foreign proteins in commercially available expression systems because it can be expressed in high levels in E.coli. The fusion proteins can be purified to homogeneity in a single step as the GST portion of the protein binds tightly to immobilized glutathione. Elution can be accomplished using free glutathione. The GST portion of the fusion protein can be separated from the protein of interest by using site-specific proteases. Antibodies directed against GST can be helpful in detecting the fusion protein during purification and to detect cleavage of GST from the protein of interest.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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