

45-1041: HRP conjugated Goat Polyclonal Antibody to GST-tag(Discontinued)

Clonality :	Polyclonal
Application :	ELISA
Conjugate :	HRP
Format :	Purified
Isotype :	Goat IgG
Immunogen Information :	Recombinant Glutathione S-Transferase from Schistosoma japonicum.

Description

Schistosoma japonicum glutathione S-transferase (GST) is a 26,000 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 by using free glutathione. The GST portion of the fusion protein can be separated from the protein of interest by introducing site-specific proteases. Antibodies directed against GST can detect both the fusion protein during purification and the cleavage of GST from the protein of interest. Goat Anti-GST-tag [HRP] Polyclonal Antibody is developed in goat using a recombinant Glutathione S-Transferase (GST) from Schistosoma japonicum. The antibody is highly purified by immunoaffinity chromatography from goat antiserum and is then conjugated to horseradish peroxidase.

Product Info

Amount :	40 µg
Purification :	Immunoaffinity chromatography
Content :	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 1% BSA and 0.01% thimerosal.
Storage condition :	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Application Note

ELISA: 0.05-0.2 µg/ml

Western blot: 1-2 µg/ml

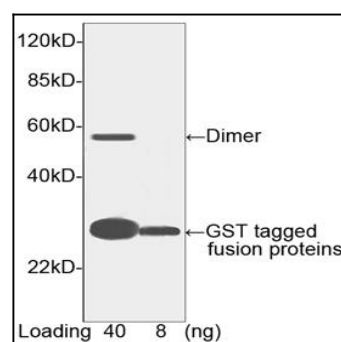


Figure-1 : Western blot analysis of HRP conjugated GST-tag Antibody at 1 µg/ml on GST-tagged fusion protein (40 & 8 ng).