Anti-GST tag, AlpHcAbs® Rabbit antibody (Biotin)

Summary

Code	010-201-004
Immunogen	GST tag fusion protein
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to Rabbit IgG Fc(mutation)
Conjugate	Biotin
Specificity	GST tag
Cross-Reactivity	Highly selective for GST tag sequence
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300
Storage	Store at –20 °C(Avoid freeze / thaw cycles)

Description

Anti-GST tag, AlpHcAbs® Rabbit antibody(Biotin) is designed for detecting GST tag fusion proteins specifically. Anti-GST tag, AlpHcAbs® Rabbit antibody(Biotin) is based on monoclonal, recombinant, rabbit IgG Fc fused single domain antibody to GST tag coupled to Biotin. Based on immunoelectrophoresis and/or ELISA, Anti-GST tag, AlpHcAbs® Rabbit antibody(Biotin) detects the GST tag selectively, no reactivity with other proteins.

Background

Glutathione S-transferase (GST) is a widely used fusion partner, since it provides both an easily detectable Tag and a simple purification process with little effect on the biological function of the protein of interest. Numerous vectors containing GST-Tag have been developed for both prokaryotic and eukaryotic systems over the past decade. GST is one useful epitope ta for the labeling and detection of proteins using immunoblotting, immunoprecipitation, and immunostaining techniques.
Using antibody with Fc(mutation), the background from Fc receptors will be eliminated.

Benefits

High lot-to-lot consistency
Increased sensitivity and higher affinity
Animal-free production

Suggested Working Concentration

ELISA	1:5,000-1:20000
WB	1:5,000-1:20000
IP	1-2ug/sample

Dilution factors are presented in the form of a range because the optimal dilution is a function of many factors, such as antigen density, permeability, etc. The actual dilution used must be determined empirically.