

Anti-Goat IgG(H+L), AlpHcAbs® Rabbit antibody(Biotin)

Summary

Code	054-202-004
Immunogen	Recombinant goat IgG
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to rabbit IgG Fc(mutation)
Conjugate	Biotin-SP (long spacer)
Specificity	Goat IgG(H+L)
Cross-Reactivity	No cross-reactivity with mouse, human, cynomolgus, rat, rabbit IgG
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), Stable for 12 months at -20°C

Description

Anti-Goat IgG(H+L), AlpHcAbs® Rabbit antibody(Biotin) is designed for detecting goat IgG(H+L) specifically. Anti-Goat IgG(H+L), AlpHcAbs® Rabbit antibody(Biotin) is based on monoclonal, recombinant, rabbit IgG Fc fused single domain antibody to goat IgG(H+L) coupled to Biotin. Based on immunoelectrophoresis and/or ELISA, Anti-Goat IgG(H+L), AlpHcAbs® Rabbit antibody(Biotin) reacts with goat IgG(H+L) selectively, no reactivity with mouse, human, cynomolgus, rat, rabbit IgG.

Background

Goat antibodies are commonly used in biotechnology. They are used to prepare diagnostic reagents of immunochemical techniques. Goat IgG molecule possesses both the Fc region and the Fab region, which possessing the epitope-recognition site. The IgG contains two heavy and light chains. The heavy chain is about 50 KD and the light chain is about 25 KD. The common IgG is monomeric with a molecular weight of approximately 150 kDa. 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	1:5000-1:20000
WB	1:5000-1:20000
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.

This product is for research use only and is not approved for use in humans or in clinical