Anti-Biotin, AlpHcAbs® Rabbit antibody(HRP)

Summary

Code#	078-201-005
Immunogen	Biotin conjugated KLH
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to rabbit IgG Fc(mutation)
Conjugate	HRP
Specificity	Biotin and biotinylated antibody, protein, peptides, oligonucleotides or solid matrices.
Cross-Reactivity	No cross-reactivity with other antigen.
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, 50% Glycerol
Storage	Store at –20 °C(Avoid freeze / thaw cycles), Protect from light

Description

Anti-Biotin, AlpHcAbs® Rabbit antibody(HRP) is designed for detecting biotin or biotinylated protein specifically. Anti-Biotin, AlpHcAbs® Rabbit antibody(HRP) is based on monovalent, recombinant rabbit IgG Fc fused single domain antibody coupled to HRP. Based on immunoelectrophoresis and/or ELISA, Anti-Biotin, AlpHcAbs® Rabbit antibody(HRP) reacts with biotin or biotinylated protein selectively, no reactivity with other antigen.

Background:

Biotin is widely conjugated to proteins and antibodies for biochemical assays. Avidin (streptavidin)-biotin system is commonly used for many immunoassays such as ELISA, Flow Cytometry, Immunofluorescence, In Situ Hybridization, and Immunohistochemistry. Anti-Biotin antibody is a better alternative to avidins to minimize background and maximize signal intensity.

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

Application notes

ELISA： 1:5000-1:20000
WB: 1:5000-1:20000
IHC: 1:100-1:1000

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.