

# Anti-His tag, AlpHcAbs® Rabbit antibody(Biotin)

## Summary

Code#	004-202-004
Immunogen	6*His tag fusion protein
Host	Alpaca pacous
Isotype	Fab of alpaca IgG1 fused to Rabbit Fc(mutation)
Conjugate	Biotin
Specificity	His tag sequence(HHHHHH)
Cross-Reactivity	Highly selective for His 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% proclin300,50% Glycerol
Storage	Store at -20 °C, (Avoid freeze / thaw cycles), Stable for 12 months at -20°C

## Description

Anti-His tag, AlpHcAbs® Rabbit antibody(Biotin) is designed for detecting His tag fusion proteins specifically. Anti-His tag, AlpHcAbs® Rabbit antibody(Biotin) is based on monoclonal, recombinant, rabbit Fc fused Fab of alpaca IgG1 to His tag coupled to Biotin, and Anti-His tag, AlpHcAbs® Rabbit antibody(Biotin) detects the His tag selectively, no reactivity with other proteins.

## Background

The HHHHHH peptide are widely used for detecting, manipulating or purifying proteins. This peptide can be expressed and detected with the protein of interest as an amino-terminal or carboxy-terminal fusion. Because of its small size, His tag is unlikely to affect the tagged protein's biochemical properties. His tag is useful 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

## Application notes

WB: 1:5000-1:20000  
ELISA: 1:5000-1:20000

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