

# Anti-His tag, AlpHcAbs<sup>®</sup> Llama antibody

## Summary

|                  |  |
|------------------|--|
| Code             | 004-602-001  |
| Immunogen        | 6*His tag fusion protein   |
| Host             | Alpaca pacous  |
| Isotype          | Fab of alpaca IgG1 fused to Llama IgG Fc   |
| Conjugate        | Unconjugated   |
| 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)  |

## Description

Anti-His tag, AlpHcAbs<sup>®</sup> Llama antibody is designed for detecting His tag fusion proteins specifically. Anti-His tag, AlpHcAbs<sup>®</sup> Llama antibody is recombinant fab of alpaca IgG1 fused to Llama IgG Fc. Based on western blot and ELISA, Anti-His tag, AlpHcAbs<sup>®</sup> Llama antibody 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.

## 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 |
| IP       | 2ug/sample     |
| Flow Cyt | 1:200-1:2000   |

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