

Anti-His tag, AlpHcAbs[®] Rabbit antibody (iFluor488)

Summary

Code	004-202-007
Immunogen	6*His tag fusion protein
Host	Alpaca pacous
Isotype	Fab of alpaca IgG1 fused to Rabbit Fc(mutation)
Conjugate	iFluor488(Ex: 495nm, Em: 519nm), 3 moles iFluor488 per mole IgG
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), protect from light

Description

Anti-His tag, AlpHcAbs[®] Rabbit antibody(iFluor488) is designed for detecting His tag fusion proteins specifically. Anti-His tag, AlpHcAbs[®] Rabbit antibody(iFluor488) is based on monoclonal, recombinant, rabbit Fc fused Fab of alpaca IgG1 to His tag coupled to iFluor488, and Anti-His tag, AlpHcAbs[®] Rabbit antibody(iFluor488) 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

Suggested Working Concentration

ELISA	1:5000-1:20000
WB	1:5000-1:20000
Flow Cyt	1:200-1:2000
ICC/IF	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