

Anti-HA tag, AlpHcAbs[®] Mouse IgG2a antibody (iFluor647)

Summary

Code	003-301-009
Immunogen	HA tag fused KLH
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to mouse IgG2a Fc(mutation)
Conjugate	iFluor647(Ex: 651nm, Em:667nm), 3 moles iFluor647 per mole IgG
Specificity	HA tag(YPYDVPDYA)
Cross-Reactivity	Highly selective for HA tag sequence
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PB(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-HA tag, AlpHcAbs[®] Mouse IgG2a antibody(iFluor647) is designed for detecting HA tag fusion proteins specifically. Anti-HA tag, AlpHcAbs[®] Mouse IgG2a antibody(iFluor647) is based on monoclonal, recombinant, mouse IgG2a Fc fused single domain antibody to HA tag coupled to iFluor647. Based on immunofluorescence and/or ELISA, Anti-HA tag, AlpHcAbs[®] Mouse IgG2a antibody(iFluor647) detects the HA tag selectively, no reactivity with other proteins.

Background

The HA tag is 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, HA tag is unlikely to affect the tagged protein's biochemical properties. HA 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