

Anti-mScarlet3-H/mYongHong, AlpHcAbs® Human IgG antibody

Summary

Code#	028-501-001
Immunogen	mScarlet
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to Human IgG1 Fc
Conjugate	Unconjugated
Specificity	mScarlet, mScarlet3, mScarlet3-H/mYongHong
Cross-Reactivity	Highly selective for mScarlet
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-mScarlet3-H/mYongHong, AlpHcAbs® Human IgG antibody is designed for detecting mScarlet3-H fusion protein specifically. Anti-mScarlet3-H/mYongHong, AlpHcAbs® Human IgG antibody is monovalent, recombinant single domain antibody fused to human IgG1 Fc. Based on western blot and ELISA, Anti-mScarlet3-H/mYongHong, AlpHcAbs® Human IgG antibody reacts with the mScarlet selectively, no reactivity with other proteins.

Background:

The fluorescent protein mScarlet is a truly monomeric red fluorescent protein with record brightness, quantum yield (70%) and fluorescence lifetime (3.9 ns). mScarlet outperforms existing red fluorescent proteins as a fusion tag, and it is especially useful as a Förster resonance energy transfer (FRET) acceptor in ratiometric imaging.

Using antibody with Fc(mutation), the background from Fc receptors will be eliminated.

Benefits

Application notes

High lot-to-lot consistency
Increased sensitivity and higher affinity
Animal-free production

WB: 1:10,000-1:50,000
ELISA: 1:10,000-1:50,000
ICC/IF: 1:200-1:1000
IP: 1-2ug/sample
Flow Cyt: 1µg for 10⁶ cells

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