Anti-RFP, AlpHcAbs® Rabbit antibody

Summary

Code	020-201-001
Immunogen	RFP fusion protein
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to Rabbit IgG Fc(mutation)
Conjugate	Unconjugated
Specificity	RFP
Cross-Reactivity	Recognizes mCherry, mRFP, mRFPruby, mPlum, tagRFP, mKate2 and many more RFP derivatives
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-RFP, AlpHcAbs® Rabbit antibody is designed for detecting RFP fusion protein specifically. Anti-RFP, AlpHcAbs® Rabbit antibody is monovalent, recombinant single domain antibody fused to rabbit IgG Fc. Based on immunoelectrophoresis and/or ELISA, Anti-RFP, AlpHcAbs® Rabbit antibody is useful for detecting RFP fusion proteins with high sensitivity.

Background

Red fluorescent proteins (RFPs) and variants thereof are widely used to study protein localization and dynamics. RFP can be excited by the 488 nm or 532 nm laser line and is optimally detected at 588 nm.
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	1:5,000-1:20,000
ICC/IF	1:200-1:1000
IP	1-2ug/sample
Flow Cyt	1:200-1:1000
WB	1:5,000-1:20,000

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