Anti-mNeongreen, AlpHcAbs® Rabbit antibody

Summary

Code	013-201-001
Immunogen	mNeongreen
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to Rabbit IgG Fc(mutation)
Conjugate	Unconjugated
Specificity	mNeongreen
Cross-Reactivity	Highly selective for mNeongreen
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-mNeongreen, AlpHcAbs® Rabbit antibody is designed for detecting mNeongreen fusion protein specifically. Anti-mNeongreen, AlpHcAbs® Rabbit antibody is monovalent, recombinant single domain antibody fused to rabbit IgG Fc. Based on immunoelectrophoresis and/or ELISA, Anti-mNeongreen, AlpHcAbs® Rabbit antibody is useful for detecting mNeongreen fusion proteins with high sensitivity.

Background

mNeongreen is the brightest monomeric green or yellow fluorescent protein yet described to our knowledge, performs exceptionally well as a fusion tag for traditional imaging as well as stochastic single molecule super-resolution imaging and is an excellent fluorescence resonance energy transfer(FRET) acceptor for the newest cyan fluorescent proteins.
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
WB	1:1,000-1:5000
IP	1-2ug/sample
ICC/IF	1:200-1:1000
Flow Cyt	1:100-1:1000

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.