



Anti-TagFP, AlpHcAbs[®] Rabbit antibody(HRP)

Summary

Code	017-203-005
Immunogen	TagFP
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to Rabbit IgG Fc(mutation)
Conjugate	HRP
Specificity	TagFP(TagRFP/TagBFP)
Cross-Reactivity	Highly selective for TagRFP/TagBFP. Does not cross-react with common GFP or dsRed 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), protect from light

Description

Anti-TagFP, AlpHcAbs[®] Rabbit antibody(HRP) is designed for detecting TagFP fusion proteins specifically. Anti-TagFP, AlpHcAbs[®] Rabbit antibody(HRP) is based on monoclonal, recombinant, rabbit Fc fused single domain antibody to TagFP coupled to HRP. Based on immunoelectrophoresis and/or ELISA, Anti-TagFP, AlpHcAbs[®] Rabbit antibody(HRP) detects TagFP fusion proteins selectively, no reactivity with other proteins.

Background

TagRFP is derived from the Entacmaea quadricolor fluorescent protein TurboRFP (a random mutant of eqFP578), with mutations of R162E, Q166D, S180N, F198V, F200Y at the hydrophilic interface. TagBFP was derived from TagRFP with the some mutations. TagRFP/ TagBFP has a high fluorescent quantum yield (Φ_{flu} 0.48) and is widely used for fluorescent imaging. For biochemical analysis including mass spectrometry and enzymeactivity measurements.

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	1:5,000-1:20000
WB	1:5,000-1:20000

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