

Anti-MBP, AlpHcAbs[®] Rabbit antibody

Summary

Code	015-201-001
Immunogen	MBP fusion protein
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to Rabbit IgG Fc(mutation)
Conjugate	Unconjugated
Specificity	MBP
Cross-Reactivity	Recognizes MBP specifically. Does not cross-react with other proteins
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-MBP, AlpHcAbs[®] Rabbit antibody is designed for detecting MBP fusion protein specifically. Anti-MBP, AlpHcAbs[®] Rabbit antibody is monovalent, recombinant single domain antibody fused to rabbit IgG Fc. Based on immunoelectrophoresis and/or ELISA, Anti-MBP, AlpHcAbs[®] Rabbit antibody is useful for detecting MBP fusion proteins with high sensitivity.

Background

MBP is used to increase the solubility of recombinant proteins expressed in E. coli. In these systems, the protein of interest is often expressed as a MBP-fusion protein, preventing aggregation of the protein of interest. The mechanism by which MBP increases solubility is not well understood. In addition, MBP can itself be used as an affinity tag for purification of recombinant 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

Application notes

WB	1:5,000-1:20000
ELISA	1:5,000-1:20000
ICC/IF	1:200-1:1000
IP	1-2ug/sample
Flow Cyt	µg for 10 ⁶ 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