

# Anti-DYKDDDDK tag, AlpHcAbs<sup>®</sup> Mouse IgG2b antibody(iFluor488)

## Summary

Code	016-303-007
Immunogen	DYKDDDDK tag fusion protein
Host	Alpaca pacous
Isotype	Fab of alpaca IgG1 fused to Mouse IgG2b Fc(mutation)
Conjugate	iFluor488(Ex: 495nm, Em: 519nm), 3 moles iFluor488 per mole IgG
Specificity	DYKDDDDK tag sequence
Cross-Reactivity	Highly selective for DYKDDDDK tag sequence
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-DYKDDDDK tag, AlpHcAbs<sup>®</sup> Mouse IgG2b antibody(iFluor488) is designed for detecting DYKDDDDK tag fusion protein specifically. Anti-DYKDDDDK tag, AlpHcAbs<sup>®</sup> Mouse IgG2b antibody(iFluor488) is based on recombinant, IgG2b Fc fused fab of alpaca IgG1 to DYKDDDDK tag coupled to iFluor488. Based on western blot and ELISA, Anti-DYKDDDDK tag, AlpHcAbs<sup>®</sup> Mouse IgG2b antibody(iFluor488) reacts with the DYKDDDDK tag selectively, no reactivity with other proteins.

## Background

The DYKDDDDK peptide are widely used for detecting, manipulating or purifying proteins. This peptide can be expressed and detected with the protein of interest as an amino-terminal or carboxy-terminal fusion. Because of its small size, DYKDDDDK tag is unlikely to affect the tagged protein's biochemical properties. DYKDDDDK tag is useful for the labeling and detection of proteins using immunoblotting, immunoprecipitation, and immunostaining techniques.

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
Flow Cyt	1:200-1:2000
ICC/IF	1:200-1:2000

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