

# Anti-Halo Tag, AlpHcAbs<sup>®</sup> Rabbit antibody

## Summary

Code	012-201-001
Immunogen	Halo-KLH
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to Rabbit IgG Fc(mutation)
Conjugate	Unconjugated
Specificity	Halo tag
Cross-Reactivity	No cross-reactivity 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 cycle

## Description

Anti-Halo Tag, AlpHcAbs<sup>®</sup> Rabbit antibody is designed for detecting Halo tag fusion proteins. Anti-Halo Tag, AlpHcAbs<sup>®</sup> Rabbit antibody is monovalent, recombinant single domain antibody fused to rabbit IgG Fc. Based on immunoelectrophoresis and/or ELISA, Anti-Halo Tag, AlpHcAbs<sup>®</sup> Rabbit antibody detects the Halo tag selectively, no reactivity with other proteins.

## Background

The protein tag(Halo tag) is a modified haloalkane dehalogenase designed to covalently bind to synthetic ligands (Halo tag ligands). The synthetic ligands comprise a chloroalkane linker attached to a variety of useful molecules, such as fluorescent dyes, affinity handles, or solid surfaces. Due to the single-chain nature of sdAbs and their increased sensitivity and higher affinity to Halo tag fusion proteins, Anti-Halo Tag, AlpHcAbs<sup>®</sup> Rabbit antibody can be used to detect the Halo tag selectively, with high sensitivity and negligible non-specific background.

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
ICC/IF	1:200-1:1000
IP	1-2ug/sample
Flow Cyt	1:200-1:1000

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.

This product is for research use only and is not approved for use in humans or in clinical