



# Recombinant Alpaca Anti-Mouse IgG1 Fc monoclonal antibody, clone WII413 [Alexa Fluor®647] (CABT-L4221)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Alpaca anti-mouse IgG1, Fc-specific recombinant VHH is an anti-mouse IgG subclass specific antibody. This secondary antibody product consists of Nanobodies that bind to mouse IgG1 with high affinity & specificity. Degree of labeling (DOL): 2 fluorophores per Nanobody
<b>Specificity</b>	This Nanobody recognizes Fc fragments of mouse IgG1. No cross-reactivity to rabbit, rat, goat, sheep, guinea pig, human, and macaque serum and to mouse IgG2a, IgG2b, IgG2c, and IgG3
<b>Target</b>	Mouse IgG1
<b>Immunogen</b>	Purified mouse IgG1
<b>Source/Host</b>	Alpaca
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	WII413
<b>Purification</b>	Purified
<b>Conjugate</b>	Alexa Fluor 647
<b>Applications</b>	Immunofluorescence, Super-resolution microscopy, Western blotting, ELISA
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/ml

<b>Size</b>	100 µl
<b>Buffer</b>	10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at -20°C short term or -80°C long term. Aliquot upon delivery. Avoid freeze-thaw cycles. Stable for 6 months after arrival.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction** Nano Secondary Antibodies are a novel class of secondary antibodies for higher resolution and lower background. They consist of Nanobodies/ VHs that bind to primary antibodies with high affinity in a species and subtype specific manner.