

For Research Use Only

Nano-Secondary® anti-human IgG, recombinant VHH, CoraLite® Plus 488 [CTK0117]

Catalog Number: shuGCL488-2



Basic Information

Catalog Number:
shuGCL488-2

Applications:
IF, FC

Host:
Alpaca

Conjugate:
CoraLite® Plus 488

Type:
Secondary Nanobody

Class:
Recombinant

RRID:
AB_3075302

Purification Method:
Recombinant expression, affinity purification
IMAC

Description

Nano-Secondary® anti-human IgG, recombinant VHH, is a human IgG-specific (IgG1, IgG2, IgG3, IgG4) antibody. This secondary antibody product consists of a Nanobody that binds to the Fc-domain of human IgG with high affinity & specificity.

Species Reactivity

Reactivity: human IgG1, IgG2, IgG3, IgG4, Fc-fragment of human IgG, including wt, PGLALA and PALALA mutations. Slight reactivity to macaque serum.
No cross-reactivity: human IgA/IgM/IgE, serum proteins from goat, guinea pig, mouse rabbit, rat, sheep.

Physical State

Liquid

Suggested Dilution

Immunofluorescence 1:500 - 1:1000
Flow cytometry: 1µL per 1x10⁶ cells

Affinity (K_D)

< 10 pM

Storage

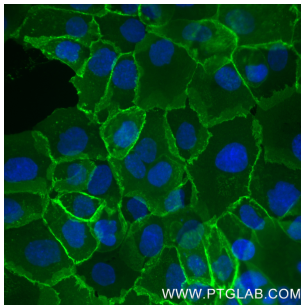
Storage:
Shipped at ambient temperature. Store at +4°C short term or -20°C long term. Stable for 1 year at -20°C.
Storage Buffer:
10 mM HEPES pH 7.0, 500 mM NaCl, 5 mM EDTA, Preservative: 0.09 % Sodium azide

For technical support and original validation data for this product please contact

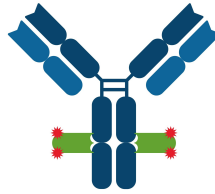
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or E: proteintech@ptglab.com
1(312) 455-8498 (outside USA) W: www.ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Live A431 cells were incubated with anti-human EGFR (Cetuximab biosimilar) followed by Nano-Secondary® alpaca anti-human IgG, recombinant VHH, CoraLite® Plus 488 [CTK0117] (shuGCL488-2, green). Cells were fixed and nuclei were stained with DAPI (blue). Epifluorescence images were acquired with a 40x objective and post-processed.



Schematic representation of anti-human IgG Nano-Secondary binding to its target. Human IgG primary antibody (blue) is bound with two identical monoclonal human IgG Fc- specific Nanobody molecules (green). In total, 4 fluorophores (red stars) label the human IgG primary antibody.