

For Research Use Only

anti-TIM3 recombinant VHH, CoraLite® Plus 647



www.ptglab.com

Catalog Number: CL647-tmt

Basic Information

Catalog Number:

CL647-tmt

Applications:

FC, IF

Host:

Alpaca

Conjugate:

CoraLite® Plus 647

Type :

Nanobody

Class:

Recombinant

RRID:

AB_3101922

Molecular Weight:

14.824 kDa

Description

CL647-tmt targets TIM3 in FC and IF applications and shows reactivity with Human samples.

Affinity

Picomolar range, below the assay limit (biolayer interferometry)

Excitation/Emission Maxima Wavelengths

654 nm / 674 nm

Storage

Storage:

Store at -20°C; Shipped at ambient temperature.

Storage Buffer:

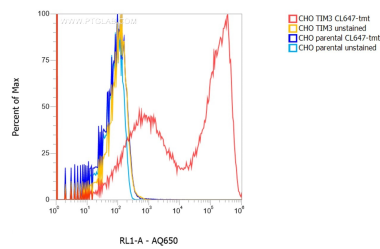
500 mM NaCl, 10 mM HEPES pH 7.0, 5 mM EDTA, 0.09% sodium azide

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

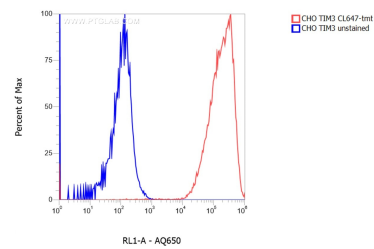
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or E: proteintech@ptglab.com
1(312) 455-8498 (outside USA) W: www.ptglab.com

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

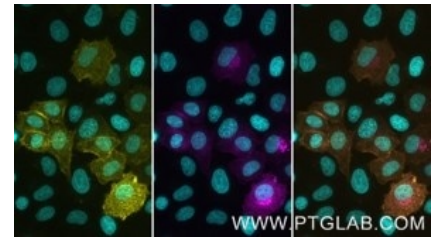
Selected Validation Data



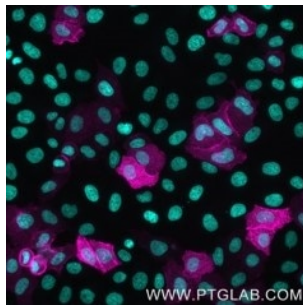
1x10⁶ CHO TIM3 stable expressing cells (red) and CHO parental cells were surface stained with 0.5 µg CoraLite® Plus 647 conjugated-TIM3 VHH (CL647-tmt). Cells were not fixed.



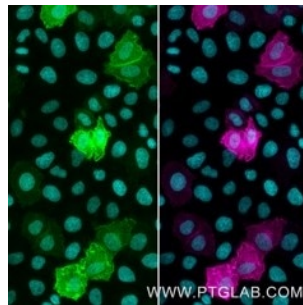
1x10⁶ CHO TIM3 stable expressing cells (red) were surface stained with 0.5 µg CoraLite® Plus 647 conjugated-TIM3 VHH (CL647-tmt). Cells were not fixed and pre-gated on co-expressed, GFP positive cells.



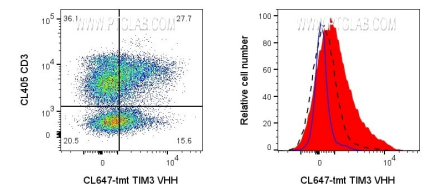
Live HeLa cells transfected with human TIM-3 were immunostained with CoraLite® Plus 555 conjugated-TIM3 VHH (CL555-tmt, 1:1000, yellow). After formaldehyde fixation, triton permeabilization and blocking with BSA, intracellular pool of TIM-3 was immunostained with CoraLite® Plus 647 conjugated-TIM3 VHH (CL647-tmt, 1:1000, magenta). Cell nuclei were stained with DAPI (cyan). Epifluorescence images



Live HeLa cells transfected with human TIM-3 were immunostained with CoraLite® Plus 647 conjugated-TIM3 VHH (CL647-tmt, 1:1000, magenta). Cells were fixed and nuclei were stained with DAPI (cyan). Epifluorescence images were acquired with 20x objective and post-processed. Note: Immunostaining with CL647-tmt can also be performed after formaldehyde fixation of the cells.



Live HeLa cells transfected with human TIM-3 were probed with cobolimab biosimilar (anti-TIM3, hulG4). After formaldehyde fixation, the cells were immunostained with CoraLite® Plus 647 conjugated-TIM3 VHH (CL647-tmt, 1:1000, magenta) and with anti-human IgG Nano-Secondary (shuGCL488-2, green). Cell nuclei were stained with DAPI (cyan). Epifluorescence images were acquired with 20x objective and post-processed.



Left: 1x10⁶ PHA-treated (3d) human PBMCs were surface stained with 0.25ug CoraLite® Plus 647 conjugated TIM-3 VHH (CL647-tmt) and CL405 CD3 (CL405-65151). Right: 1x10⁶ PHA-treated (3d) human PBMCs were surface stained with 0.25ug CoraLite® Plus 647 conjugated TIM-3 VHH (CL647-tmt) (red) or unstained (blue). 1x10⁶ untreated human PBMCs were surface stained with 0.25ug CoraLite® Plus 647 conjugated TIM-3 VHH (CL647-tmt) (black dashed). Cells were treated with FC Receptor Block prior to staining. Cells were not fixed. Lymphocytes were gated.