

For Research Use Only

CoraLite® Plus 647 Anti-Human IL-1β (2A7C6)



Catalog Number: CL647-65276

Basic Information

Catalog Number: CL647-65276	GenBank Accession Number: BC008678	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/mL	GeneID (NCBI): 3553	CloneNo.: 2A7C6
Source: Mouse	Full Name: interleukin 1, beta	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1	Calculated MW: 269 aa, 31 kDa	
Immunogen Catalog Number: HZ-1164		

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

Interleukin-1 is a pro-inflammatory cytokine with multiple biological effects. The IL-1 gene family encodes three proteins: IL-1α, IL-1β and their naturally occurring inhibitor IL-1RN. Interleukin 1β (IL-1β), mainly produced by blood monocytes and tissue macrophages, has been implicated in mediating both acute and chronic inflammation. IL-1β is known to be involved in a variety of cellular activities, including cell proliferation, differentiation and apoptosis. IL-1β is emerging as a key mediator of carcinogenesis that characterizes host-environment interactions. (PMID: 8630372; 12401481; 23704929; 24618930)

Storage

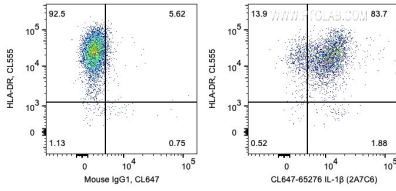
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA.

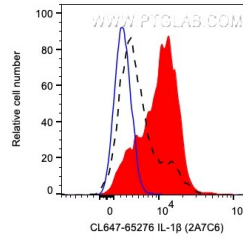
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ PHA and Brefeldin A treated human PBMCs were surface stained with CoraLite® Plus 555 Anti-Human HLA-DR then intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human IL-1β (CL647-65276, Clone:2A7C6) or Mouse IgG1 Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.



1X10⁶ PHA and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human IL-1β (CL647-65276, Clone:2A7C6) (red) or Mouse IgG1 Isotype Control (blue), or unactivated and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human IL-1β (CL647-65276, Clone:2A7C6) (black, dashed line). Cells were fixed and permeabilized with Transcription

