

For Research Use Only

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

Catalog Number: CL647-65276



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL647-65276	BC008678	Affinity purification
Size:	GeneID (NCBI):	CloneNo.:
100ug, 0.2 mg/mL	3553	2A7C6
Source:	ENSEMBL Gene ID:	Excitation/Emission maxima wavelengths:
Mouse	ENSG00000125538	654 nm / 674 nm
Isotype:	Full Name:	
IgG1	interleukin 1, beta	
Immunogen Catalog Number:	Calculated MW:	
HZ-1164	269 aa, 31 kDa	

Applications

Tested Applications:
FC (Intra)
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-1 α , IL-1 β and their naturally occurring inhibitor IL-1RN. Interleukin 1 β (IL-1 β), mainly produced by blood monocytes and tissue macrophages, has been implicated in mediating both acute and chronic inflammation. IL-1 β is known to be involved in a variety of cellular activities, including cell proliferation, differentiation and apoptosis. IL-1 β is emerging as a key mediator of carcinogenesis that characterizes host-environment interactions. (PMID: 8630372; 12401481; 23704929; 24618930)

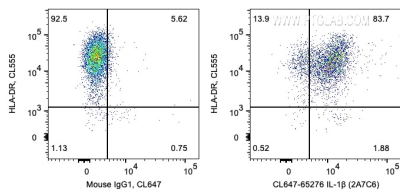
Storage

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.

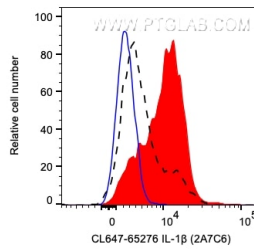
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech 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-1 β (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-1 β (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-1 β (CL647-65276, Clone:2A7C6) (black, dashed line). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).

