

For Research Use Only

PE Anti-Human IL-1 β (2A7C6)

Catalog Number: PE-65276



Basic Information

Catalog Number: PE-65276	GenBank Accession Number: BC008678	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/mL	GeneID (NCBI): 3553	CloneNo.: 2A7C6
Source: Mouse	ENSEMBL Gene ID: ENSG00000125538	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG1	Full Name: interleukin 1, beta	
Immunogen Catalog Number: HZ-1164	Calculated MW: 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:

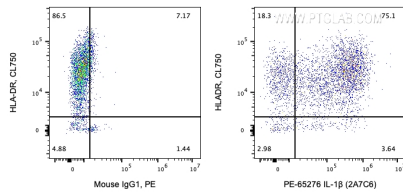
T: 4006900926

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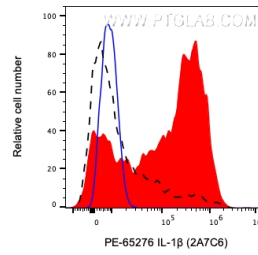
W: ptgcn.com

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Selected Validation Data



1X10⁶ LPS and Brefeldin A treated human PBMCs were surface stained with CoraLite® Plus 750 Anti-Human HLA-DR then intracellularly stained with 0.2 ug PE Anti-Human IL-1 β (PE-65276, Clone:2A7C6) or Mouse IgG1 Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.



1X10⁶ LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug PE Anti-Human IL-1 β (PE-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 PE Anti-Human IL-1 β (PE-65276, Clone:2A7C6) (black, dashed line). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.