

APC anti-mouse AhR Antibody

Catalog# / Size	162705 / 25 µg 162706 / 100 µg
Clone	W16012C
Regulatory Status	RUO
Other Names	bHLHe76, aryl hydrocarbon receptor, Aryl hydrocarbon receptor, RP85
Isotype	Rat IgG2b, κ
Description	The aryl hydrocarbon receptor (AhR) is a basic helix-loop-helix transcription factor that is activated by multiple ligands such as TCDD. It is expressed in many immune cells and performs an important role in immune regulation. AhR is induced under Th17-polarizing conditions. In its inactive state, AhR is present in the cytoplasm, but upon ligand binding, it translocates to the nucleus. Activation of AhR is tightly controlled by ubiquitination, ligand metabolism, and AhR complex disruption.

Product Details

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Concentration	0.2 mg/mL
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICFC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Red Laser (633 nm)
RRID	AB_3720526 (BioLegend Cat. No. 162705) AB_3720526 (BioLegend Cat. No. 162706)

Antigen Details

Gene ID	11622
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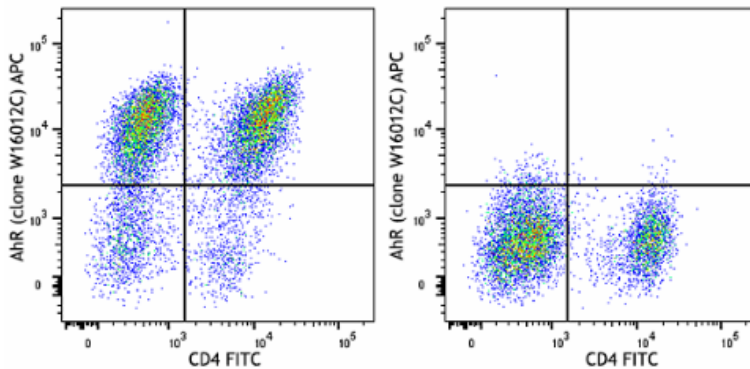
Related Protocols

- [Intracellular Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-mouse AhR Antibody, PE anti-mouse AhR Antibody, APC anti-mouse AhR Antibody

Product Data



C57BL/6 mouse splenocytes were stimulated with (left) or without (right) recombinant human TGF- β 1 and recombinant mouse IL-6 for 3 days. Cells were surface stained with anti-mouse CD4 (clone GK1.5) FITC, fixed and permeabilized, then intracellularly stained with anti-mouse AhR (clone W16012C) APC.

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