

For Research Use Only

CoraLite® Plus 647-conjugated AHR Monoclonal antibody



Catalog Number: CL647-67785

Basic Information

Catalog Number: CL647-67785	GenBank Accession Number: BC070080	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 196	CloneNo.: 2D1F9
Source: Mouse	UNIPROT ID: P35869	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG2b	Full Name: aryl hydrocarbon receptor	
Immunogen Catalog Number: AG28935	Calculated MW: 848 aa, 96 kDa	
	Observed MW: 105-110 kDa	

Applications

Tested Applications:
FC

Species Specificity:
Human

Background Information

The aryl hydrocarbon receptor (Ahr) is a ligand-activated transcription factor that has been largely regarded as a mediator of xenobiotic metabolism (PMID:18483242). It plays a part role in physiologic activities, including attenuation of the acute phase response, cytokine signaling, T helper (TH) 17 immune cell differentiation, modulation of NF-κB activity, and regulation of hormonal signaling (PMID:20423157,18540824). It also mediates transcription factor sequestering away from a gene promoter or tethering of the Ahr to a transcription factor on a promoter. AHR calculated molecular masses differ by <10%, compared with the apparent molecular masses predicted from SDS-PAGE for the two receptors (105 and 95 kDa, respectively). (PMID: 8246913)

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

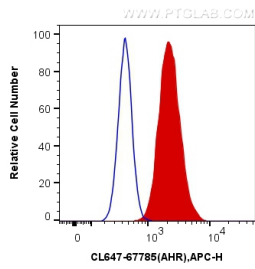
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 647 Anti-Human AHR (CL647-67785, Clone:2D1F9) (red), or 0.4 ug x. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).