

CoraLite® Plus 647-conjugated AHR Monoclonal antibody

Catalog Number: **CL647-67785**

Basic Information

Catalog Number:

CL647-67785

GenBank Accession Number:

BC070080

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

GeneID (NCBI):

196

Source:

Mouse

UNIPROT ID:

P35869

Isotype:

IgG2b

Full Name:

aryl hydrocarbon receptor

Immunogen Catalog Number:

AG28935

Calculated MW:

848 aa, 96 kDa

Observed MW:

105-110 kDa

Purification Method:

Protein A purification

CloneNo.:

2D1F9

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:**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

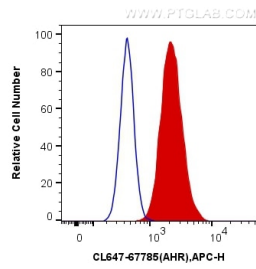
For technical support and original validation data for this product please contact:

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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).