

For Research Use Only

CoraLite® Plus 488-conjugated AHR Recombinant monoclonal antibody

Catalog Number: CL488-83369-6



Basic Information

Catalog Number: CL488-83369-6	GenBank Accession Number: BC070080	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 196	CloneNo.: 240325G9
Source: Rabbit	UNIPROT ID: P35869	Recommended Dilutions: IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: aryl hydrocarbon receptor	FC (Intra): 0.4 ug per 10 ⁶ cells in a 100 µl suspension
Immunogen Catalog Number: AG12193	Calculated MW: 848 aa, 96 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm

Applications

Tested Applications: IF/ICC	Positive Controls:
Species Specificity: human	IF/ICC : HeLa cells, FC (Intra) : HeLa cells,

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)

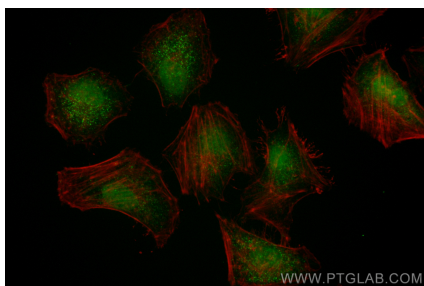
Storage

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, pH7.3
Aliquoting is unnecessary for -20°C storage

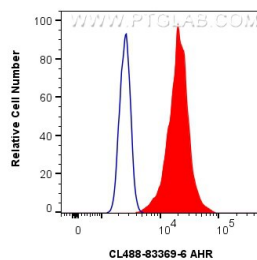
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 AHR antibody (CL488-83369-6, Clone: 240325G9) at dilution of 1:200.



1x10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated AHR Recombinant monoclonal antibody (CL488-83369-6, Clone: 240325G9) (red) or 0.4 ug CoraLite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00017).