

For Research Use Only

# PE-conjugated p300 Recombinant monoclonal antibody

Catalog Number: PE-83078-5



## Basic Information

<b>Catalog Number:</b> PE-83078-5	<b>GenBank Accession Number:</b> NM_001429	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 200 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2033	<b>CloneNo.:</b> 230369D12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q09472	<b>Recommended Dilutions:</b> FC (Intra): 0.1 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> E1A binding protein p300	<b>Excitation/Emission maxima wavelengths:</b> 496 nm, 565 nm / 578 nm
	<b>Calculated MW:</b> 264 kDa	
	<b>Observed MW:</b> 300 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra)	<b>Positive Controls:</b> FC (Intra) : THP-1 cells,
<b>Species Specificity:</b> human	

## Background Information

p300 is a 300 kDa global transcriptional coactivator with histone acetyltransferase (HAT) activity. p300 binds to chromosomal histones and modulates the chromatin conformation by acetylation of its histones, leading to activation of various gene transcriptions. p300 plays a critical role in DNA repair synthesis after DNA damage induced by ultraviolet or radiation. p300 is overexpressed in various types of cancer, which is associated with worse patient outcomes (PMID: 27322077).

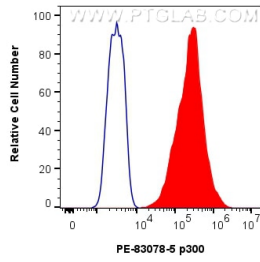
## Storage

**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, pH7.3

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

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## Selected Validation Data



1x10<sup>6</sup> THP-1 cells were intracellularly stained with 0.1 ug PE-conjugated p300 Recombinant monoclonal antibody (PE-83078-5, Clone:230369D12)(red), or 0.1 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).