

For Research Use Only

# CoraLite®594-conjugated AR Monoclonal antibody

Catalog Number:CL594-66747



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL594-66747	BC132975	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	367	1F7C12
Source:	UNIPROT ID:	Recommended Dilutions:
Mouse	P10275	IF/ICC 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima wavelengths:
IgG2a	androgen receptor	588 nm / 604 nm
Immunogen Catalog Number:	Calculated MW:	
AG17291	914 aa, 99 kDa	
	Observed MW:	
	110-120 kDa	

## Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : LNCaP cells,
Species Specificity:	
Human	

## Background Information

AR, also named as DHTR and NR3C4, belongs to the nuclear hormone receptor family and NR3 subfamily. AR is a ligand-activated transcription factors that regulate eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. Transcription factor activity is modulated by bound coactivator and corepressor proteins. AR is activated, but not phosphorylated, by HIPK3. Defects in AR are the cause of androgen insensitivity syndrome (AIS), previously known as testicular feminization syndrome (TFM), which is an X-linked recessive form of pseudohermaphroditism due end-organ resistance to androgen. Defects in AR are the cause of spinal and bulbar muscular atrophy X-linked type 1 (SMA X1) which also known as Kennedy disease. Defects in AR may play a role in metastatic prostate cancer. Defects in AR are the cause of androgen insensitivity syndrome partial (PAIS) which also known as Reifenstein syndrome. AR exists various isoforms with MV 110-120 kDa and 75-80 kDa. (PMID: 19244107)

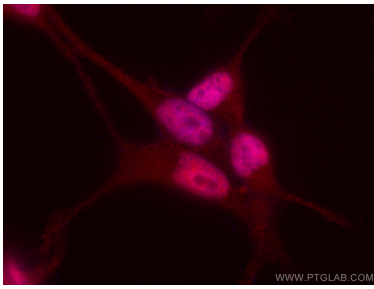
## Storage

**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:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed LNCaP cells using Coralite®594 AR antibody (CL594-66747, Clone: 1F7C12 ) at dilution of 1:200.