

For Research Use Only

# CoraLite® Plus 488-conjugated AR Monoclonal antibody



Catalog Number: CL488-66747

## Basic Information

<b>Catalog Number:</b> CL488-66747	<b>GenBank Accession Number:</b> BC132975	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 367	<b>CloneNo.:</b> 1F7C12
<b>Source:</b> Mouse	<b>Full Name:</b> androgen receptor	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 914 aa, 99 kDa	
<b>Immunogen Catalog Number:</b> AG17291	<b>Observed MW:</b> 110-120 kDa	

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : LNCaP cells,
<b>Species Specificity:</b> 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 (SMAX1) 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

\*\*\* 20ul sizes contain 0.1% BSA

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



Immunofluorescent analysis of (4% PFA) fixed LNCaP cells using CoraLite® Plus 488 AR antibody (CL488-66747, Clone: 1F7C12) at dilution of 1:200.