

# CoraLite® Plus 488-conjugated AR Monoclonal antibody

Catalog Number: **CL488-66747**

## Basic Information

**Catalog Number:**

CL488-66747

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2a

**Immunogen Catalog Number:**

AG17291

**GenBank Accession Number:**

BC132975

**GeneID (NCBI):**

367

**UNIPROT ID:**

P10275

**Full Name:**

androgen receptor

**Calculated MW:**

914 aa, 99 kDa

**Observed MW:**

110-120 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1F7C12

**Recommended Dilutions:**

IF 1:50-1:500

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human

**Positive Controls:**

IF : LNCaP cells,

## 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:**

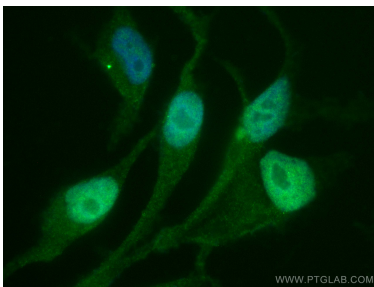
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.