

# Human Androgen R/NR3C4 Alexa Fluor® 594-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2621E

Catalog Number: IC58762T

100 µg

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Androgen R/NR3C4 in direct ELISAs.
<b>Source</b>	Recombinant Monoclonal Rabbit IgG Clone # 2621E
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Synthetic Human Androgen R/NR3C4 peptide
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.

\*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	LNCaP human prostate cancer cell line fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005)

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

The Androgen Receptor (AR) is a 90 kDa steroid hormone receptor that is critical for the development and function of the male reproductive system. AR binding to testosterone or 5α-dihydrotestosterone (DHT) triggers receptor dimerization followed by translocation to the nucleus where it promotes transcription of androgen responsive genes. Multiple polymorphisms in AR are linked to the development of prostate cancer. The ligand binding domain of human AR (aa 661-920) shares 100% aa sequence identity with mouse and rat AR.

## PRODUCT SPECIFIC NOTICES

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