

Human Androgen R/NR3C4 Alexa Fluor® 700-conjugated Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2621E

Catalog Number: IC58762N

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Androgen R/NR3C4 in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2621E
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic Human Androgen R/NR3C4 peptide
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	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.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10 ⁶ 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

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

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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