Human Chorionic Gonadotropin α Chain (HCGα)
Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 381012

Catalog Number: FAB4169R

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Chorionic Gonadotropin, α Chain (α HCG) in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human FSH β or recombinant rat FSH β is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 381012
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Chorionic Gonadotropin, α Chain (α HCG) Ala25-Ser116 Accession # P01215
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% 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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

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. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Human Chorionic Gonadotropin, α chain (CGA) is a 92 aa glycopeptide that functions as the shared α subunit of the heterodimeric peptide hormones choriogonadotropin, leutinizing hormone, thryoid stimulating hormone, and follicle stimulating hormone. CGA circulates as a free molecule and in noncovalent complexes with the unique β subunits of those hormones. CGA is secreted by the pituitary and placenta. Mature human CGA shares 69%-73% aa sequence identity with canine, equine, feline, mouse, porcine, and rat CGA.

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