hCG Receptor Antibody LHCGR/1416 / LHCGR Mouse MAb [clone LHCGR/1416] (V3355)

Catalog No.	Formulation	Size
V3355-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3355-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3355SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	LHCGR/1416
Purity	Protein G affinity chromatography
UniProt	P22888
Localization	Cytoplasmic, cell surface
Applications	Flow cytometry: 1-2ug/10^6 cells Immunofluorescence: 1-2ug/ml Western blot: 1-2ug/ml
Limitations	This hCG Receptor Antibody LHCGR/1416 is available for research use only.



Description

hCG Receptor Antibody LHCGR/1416 recognizes a protein of 78-85kDa, which is identified as the receptor for Luteinizing hormone / Choriogonadotropin. Luteinizing hormone plays a role in spermatogenesis and ovulation by stimulating the testes and ovaries to produce steroids. Choriogonadotropin production in the placenta maintains estrogen and progesterone levels during the first trimester of pregnancy. Ovaries and testes abundantly express luteinizing hormone / choriogonadotropin receptor (LHCGR) as a seven transmembrane, G protein-coupled receptor glycoprotein. LHCGR influences the protective effect of pregnancy and Gonadotropin against breast cancer. The expression of LHCGR on breast carcinoma correlates in part to the degree of tumor differentiation. LHCGR -positive breast tumors occur more frequently in tumors with greater cell differentiation in premenopausal women.

Explore our Luteinizing Hormone Receptor Antibody LHCGR/7399 for additional research tools targeting LHCGR and investigating reproductive endocrine signaling and gonadal steroidogenesis.

Application Notes

Optimal dilution of the hCG Receptor Antibody LHCGR/1416 should be determined by the researcher.

Immunogen

A partial recombinant protein from the N-terminal region of human Luteinizing hormone / Choriogonadotropin receptor was used as the immunogen for the hCG Receptor antibody.

Storage

Store the hCG Receptor antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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