

## hCG Receptor Antibody [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](#)

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

## Description

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.

## **Application Notes**

Optimal dilution of the hCG Receptor antibody 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).