Order Information

Description:	Mouse anti-hCGα
Catalogue#:	603-310
Lot#:	See the label
Size:	100 ug/200 ul
Host:	Mouse
Clone:	ABM401
Isotyping:	IgG1.κ
Application:	ELISA, FC; RIA, EIA
Reactivity:	Hu

Mouse anti-hCG α subunit Monoclonal Antibody

Synonym: human chorionic gonadotrophin alpha subunit (hCG α)

SPECIFICATIONS AND CLONE INFORMATION:

CLONE NUMBER: ABM401
DESCRIPTION: IgG1.κ
SPECIFICITY: hCG α-subunit
AFFINICITY CONSTANT: $2x10^8$ L/Mol
IMMUNOGEN: hCG purified by affinity chromatography
LYMPHOCYTE STRAIN: Babl/c mouse
MYELOMA: P3x63 Ag 8.653

IMMUNIZATION PROCEDURE:

100ul of emulsion, mixed with equal volume of hCG solution and Freund complete adjuvant was injected by using the intracutaneous injection method to each balb/c mouse, followed by boost-inject every 2 to 3 weeks with emulsion; the mice with high titer was chosen for the fusion procedure.

FUSION PROCEDURE

Fusion was performed by addition of chemical fusion reagent PEG to the mixture of spleen cells and myeloma cells at a ratio 5:1; Seeding the cell suspension to 96 well cell culture plates and selected according to principle of HAT drug blocking the de novo synthesis of nucleotides.

SCREENING METHOD:

RIA method is used for clone screening, in which α-hCG is labeled with I^{125} for the screening of positive clones.

TARGET ANTIGEN:

hCG Purity>90%

HYBRIDOMA CLONING HISTORY:

The clone was screened from a total of four 96 well cell culture plate and was subcloned twice by using RIA method. Both supernatant and purified IgG from ascites were evaluated by the method of RIA. Further evaluation was accomplished by applying purified IgG to the EIA test against normal human urine and positive urine specimens;

Cross Reactivity (%):
hCG (100%); α-hCG (100%); β-hCG (3%); LH (1.2%); TSH (0.01%); FSH (0.1%)

PURIFICATION METHOD:

Protein A affinity purification eluted according to the isotyping IgG1.κ.

REFERENCES:

Lane DP and EB Lane, 1981. A rapid antibody assay system for screening hybridoma cultures, J. Immunol. Methods, 47: 303-307.

FOR RESEARCH USE ONLY.

AbboMax, Inc 1161 Ringwood Ct. Suite 100, San Jose, California 95131, USA
1 408-321-9898 (Tel). 1 408-321-9896 (Fax). 1-866-628-9898 www.abbomax.com info@abbomax.com