



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-Human Chorionic Gonadotropin [hCG-H14] Standard Size Ab03484-1.159

**Isotype and Format:** Mouse IgG1-Fc fusion

**Clone Number:** hCG-H14

**Alternative Name(s) of Target:** hCG; CGA; Human chorionic gonadotropin; Choriogonadotropin subunit alpha; Chorionic gonadotropin chain alpha; CG-alpha

**UniProt Accession Number of Target Protein:** P01233

**Published Application(s):** ELISA

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing a male Llama glama with RR6 azo dye coupled with bovine serum albumin.

**Specificity:** This antibody is specific for the alpha subunit of the human chorionic gonadotropin hormone (hCG), a hormone produced by a part of the placenta, the syncytiotrophoblast, following implantation. The hormone has an important role during pregnancy, as it interacts with the LHCG receptor in the ovaries to prevent the degeneration of the corpus luteum, and thereby allows the secretion of progesterone during the first trimester. hCG is a heterodimeric glycoprotein, composed of an  $\alpha$  and a  $\beta$  domain, of which the  $\alpha$  is identical to that of LH and FSH, while the  $\beta$  is unique to hCG.

**Application Notes:** This antibody can be used for the detection of presence of hCG in a sample. The binding specificity of this antibody towards alpha subunit of hCG was determined using ELISA. This antibody was reported to bind hCG with a binding affinity of 300-400 nM (PMID: 10209277).

**Antibody First Published in:** Frenken et al. Isolation of antigen specific llama VHH antibody fragments and their high level secretion by *Saccharomyces cerevisiae*. *J Biotechnol.* 2000 Feb 28;78(1):11-21.

[PMID:10702907](#)

**Note on publication:** Describes the generation of Llama antibodies against two haptens and their secretion by *S. cerevisiae*.

### Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.