

## Product datasheet

# Anti-Choriogonadotropin subunit beta 3 antibody [INN-hCG-22] ab11389

### Overview

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<b>Product name</b>	Anti-Choriogonadotropin subunit beta 3 antibody [INN-hCG-22]
<b>Description</b>	Mouse monoclonal [INN-hCG-22] to Choriogonadotropin subunit beta 3
<b>Host species</b>	Mouse
<b>Specificity</b>	Ab11389 shows strong reaction in RIA with hCG and beta hCG with some reactivity on hLH (12%) and beta hLH (34%). No reaction with hFSH, hTSH, alpha hCG and alpha hLH. Affinity constant = $1.6 \times 10^9$ m (Ka).
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant full length protein corresponding to Human Choriogonadotropin subunit beta 3. Database link: <a href="#">P0DN86</a>
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	INN-hCG-22
<b>Myeloma</b>	P3-NS1/1-Ag4-1
<b>Isotype</b>	IgG1

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab11389 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration.

## Target

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<b>Function</b>	Beta subunit of the human chorionic gonadotropin (hCG). hCG is a complex glycoprotein composed of two glycosylated subunits alpha and beta which are non-covalently associated. The alpha subunit is identical to those in the pituitary gonadotropin hormones (LH, FSH and TSH). The beta subunits are distinct in each of the hormones and confer receptor and biological specificity. Has an essential role in pregnancy and maternal adaptation. Stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy.
<b>Tissue specificity</b>	High expression in the placenta throughout pregnancy.
<b>Sequence similarities</b>	Belongs to the glycoprotein hormones subunit beta family.
<b>Developmental stage</b>	Expressed continuously during the whole pregnancy with a peak during the first trimester.
<b>Cellular localization</b>	Secreted.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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