

Product datasheet

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

Overview

Product name	Anti-Choriogonadotropin subunit beta 3 antibody [INN-hCG-22]
Description	Mouse monoclonal [INN-hCG-22] to Choriogonadotropin subunit beta 3
Host species	Mouse
Specificity	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 = 1.6×10^9 (Ka).
Tested applications	Suitable for: ELISA, IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human Choriogonadotropin subunit beta 3. Database link: PODN86
General notes	<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&As</p>

Properties

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

Applications

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

Function	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.
Tissue specificity	High expression in the placenta throughout pregnancy.
Sequence similarities	Belongs to the glycoprotein hormones subunit beta family.
Developmental stage	Expressed continuously during the whole pregnancy with a peak during the first trimester.
Cellular localization	Secreted.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- 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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors