

## Product datasheet

# Anti-Human placental lactogen (epitope 2) antibody [INN-hPL-37] ab11396

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### Overview

<b>Product name</b>	Anti-Human placental lactogen (epitope 2) antibody [INN-hPL-37]
<b>Description</b>	Mouse monoclonal [INN-hPL-37] to Human placental lactogen (epitope 2)
<b>Host species</b>	Mouse
<b>Specificity</b>	Radioimmunological direct binding studies were performed with <sup>125</sup> I-labelled hPL, hGH, hPRL and increasing amounts of INN-hPL-37. In addition, competitive RIA with unlabelled hGH, hPRL and hPL were used for characterization. In competitive RIA cross reactivity with hGH and hPRL was below 1%. Direct binding demonstrated 39% reactivity with hGH but no cross reactivity with hPRL.
<b>Tested applications</b>	<b>Suitable for:</b> RIA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Other Immunogen Type corresponding to Human Human placental lactogen (epitope 2).
<b>General notes</b>	<p>This product should be stored undiluted. Storage in frost free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.</p> <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

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide
<b>Purity</b>	Protein A purified
<b>Purification notes</b>	Purification by affinity chromatography.

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	INN-hPL-37
<b>Myeloma</b>	x63-Ag8.653
<b>Isotype</b>	IgG1

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab11396 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
RIA		Use at an assay dependent concentration.

## Target

**Relevance** Placental lactogen is a member of the somatotropin/prolactin family of hormones and plays an important role in growth control. The gene is located at the growth hormone locus on chromosome 17 along with four other related genes in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. Although the five genes share a remarkably high degree of sequence identity, they are expressed selectively in different tissues. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed mainly in the placenta and utilizes multiple transcription initiation sites.

**Cellular localization** Secreted

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

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