

## Datasheet: 7400-0190

<b>Description:</b>	SHEEP ANTI HUMAN PLACENTAL LACTOGEN
<b>Specificity:</b>	PLACENTAL LACTOGEN
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	1 ml

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Western Blotting			▪	
Radioimmunoassays	▪			1/200 - 1/800

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	Ig concentration 5.0 mg/ml
<b>Immunogen</b>	Native, human placental lactogen.

**External Database  
Links**

**UniProt:**

[Q6PF11](#)

[Related reagents](#)

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**RRID** AB\_2260916

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**Specificity**

**Sheep anti Human Placental Lactogen antibody** recognizes human placental lactogen (HPL), also known as Chorionic somatomammotropin hormone 1 or Choriomammotropin. HPL is a 217 amino acid secreted hormone from the somatotropin/prolactin family. HPL is highly expressed in the placental syncytiotrophoblasts hence, only present during pregnancy where it plays a role in providing the growing fetus with energy.

HPL has a similar structure and function to human growth hormone. Sheep anti human placental lactogen antibody shows the following reactivity with similar hormones:

Human growth hormone (HGH)	<0.1%
Prolactin	<0.1%
Chrorionic gonadotrophin	<0.1%
Luteinising hormone	<0.1%
Follicle stimulating hormone	<0.1%

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee**

18 months from date of despatch.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [HRP](#)

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From March 15, 2021, we will no longer supply printed datasheets with our products.  
Look out for updates on how to access your digital version at [bio-rad-antibodies.com](https://www.bio-rad-antibodies.com)

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