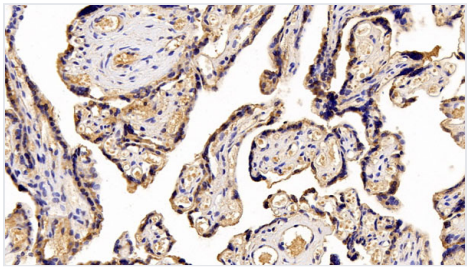
# Placental Lactogen (PL) Antibody – Mouse Monoclonal

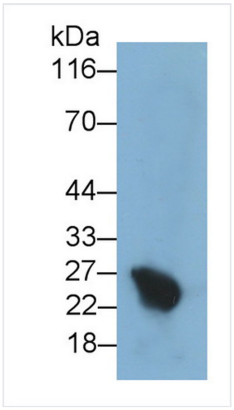
## PRODUCT OVERVIEW

| | |
|---|---|
| **Product Name** | Placental Lactogen (PL), Monoclonal Antibody |
| **Full Product Name** | Monoclonal Antibody to Placental Lactogen (PL) |
| **Product Gene Name** | anti-PL antibody |
| **Product Synonym Names** | Placental Lactogen; CSH1; hCS-A; CSA; CSMT; Chorionic Somatomammotropin Hormone 1; Choriomammotropin |
| **Clonality** | Monoclonal |
| **Isotype** | IgG1 Kappa |
| **Clone Number** | C1 |
| **Host** | Mouse |
| **Species Reactivity** | Human |
| **Form/Format** | Liquid. 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol. |
| **Purity/Purification** | Protein A + Protein G affinity chromatography |
| **Concentration** | 1mg/mL (lot specific) |
| **Specificity** | The antibody is a mouse monoclonal antibody raised against PL. It has been selected for its ability to recognize PL in immunohistochemical staining and western blotting. |
| **Preparation and Storage** | Store at 4 degree C for frequent use. Store at -20 degree C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.<br>Stable for 12 months if correctly stored.<br>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Matching Pairs** | Antibody: PL Clone #C1 (MBS2151663)<br>Immunogen: PL (MBS2028910) |
| **Matching Pairs** | Unconjugated Antibody: PL Clone #C1 (MBS2151663)<br>HRP Conjugated Antibody: PL Clone #C1 (MBS2140602) |
| **Matching Pairs** | Unconjugated Antibody: PL Clone #C1 (MBS2151663)<br>FITC Conjugated Antibody: PL Clone #C1 (MBS2142183) |
| **Matching Pairs** | Unconjugated Antibody: PL Clone #C1 (MBS2151663)<br>Biotin Conjugated Antibody: PL Clone #C1 (MBS2143763) |
| **Matching Pairs** | Unconjugated Antibody: PL Clone #C1 (MBS2151663)<br>Cy3 Conjugated Antibody: PL Clone #C1 (MBS2145342) |
| **Matching Pairs** | Unconjugated Antibody: PL Clone #C1 (MBS2151663)<br>APC Conjugated Antibody: PL Clone #C1 (MBS2146923) |
| **Matching Pairs** | Unconjugated Antibody: PL Clone #C1 (MBS2151663)<br>PE Conjugated Antibody: PL Clone #C1 (MBS2148504) |
| **Matching Pairs** | Unconjugated Antibody: PL Clone #C1 (MBS2151663)<br>APC-CY7 Conjugated Antibody: PL Clone #C1 (MBS2150084) |
| **Immunogen Sequence Positions** | Gln28~Phe192 |
| **3D Structure** | ModBase 3D Structure for Q6PF11 |

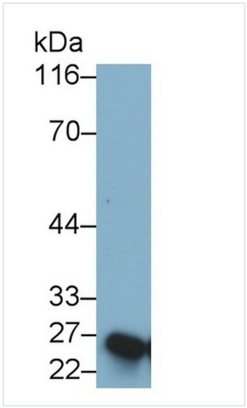
| | |
|---|---|
| **Supply Chain Verification** | Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire. |
| **Immunogen** | Recombinant Placental Lactogen (PL) |
| **Product Categories/Family for anti-PL antibody** | Monoclonal Antibodies (Primary Abs); Monoclonal antibodies; Endocrinology |
| **ISO Certification** | Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory. |
| **Applications Tested/Suitable for anti-PL antibody** | Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP) |
| **Application Notes for anti-PL antibody** | WB: 0.05-2ug/mL<br>IHC: 5-20ug/mL<br>ICC: 5-20ug/mL |
| **Related Product Information for anti-PL antibody** | MBS2151663 is an antibody targeting PL. Also known as Monoclonal Antibody to Placental Lactogen (PL). Reactive in Human. Host: Mouse. |
| **Other Notes** | Small volumes of anti-PL antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |



**Immunohistochemistry (IHC) of anti-PL antibody**
DAB staining on IHC-P; Sample: human Placenta Tissue; Primary Ab: 20ug/ml Mouse Anti-human PL Antibody Second Ab: 2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (#MBS2086035)




**Western Blot (WB) of anti-PL antibody**
Western Blot; Sample: human Placenta lysate Primary Ab: 0.2ug/ml Mouse Anti-human PL Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (#MBS2086035)




**Western Blot (WB) of anti-PL antibody**
Western Blot; Sample: human Placenta lysatePrimary Ab: 0.05ug/ml Mouse Anti-human PL AntibodySecond Ab: 0.2ug/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody(#MBS2086035)

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PL. It may not necessarily be applicable to this product.

| | |
|---|---|
| **UniProt Primary Accession #** | Q6PF11 |
| **UniProt Protein Name** | Chorionic somatomammotropin hormone 1 (Placental lactogen) |
| **Protein Family** | Chorionic somatomammotropin hormone |
| **UniProt Gene Name** | CSH1 |
| **UniProt Entry Name** | Q6PF11_HUMAN |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/placental-lactogen-pl/2151663