

Product datasheet for **AM33295PU-T**

Prolactin Receptor (PRLR) Mouse Monoclonal Antibody [Clone ID: PRLR742]

Product data:

Product Type:	Primary Antibodies
Clone Name:	PRLR742
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	ELISA: Use BSA free Antibody for coating. Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 0.5-1 µg/ml. Western Blotting: 0.25-0.5 µg/ml. Immunoprecipitation: 0.5-1 µg/500 µg protein lysate. Immunohistochemistry on Frozen and Formalin-Fixed Sections: 0.5-1.0 µg/ml for 30 minutes at RT. Staining of formalin/paraffin tissues requires digestion of tissue sections with pepsin at 1mg/ml Tris-HCl, pH 2.0 for 15 min at RT or 10 min at 37°C. Positive Control: Breast, placenta, liver or pancreas.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human Prolactin receptor.
Specificity:	It recognizes a protein of 70kDa, identified as Prolactin Receptor. Cellular Localization: Cell surface and cytoplasmic.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.



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Stability: Shelf life: one year from despatch.

Predicted Protein Size: 70 kDa

Gene Name: prolactin receptor

Database Link: [Entrez Gene 5618 Human P16471](#)

Background: Prolactin is a pituitary hormone involved in the stimulation of milk production, salt and water regulation, growth, development and reproduction. The initial step in its action is the binding to a specific membrane receptor (prolactin receptor), which belongs to the superfamily of class 1 cytokine receptors. The function of the prolactin receptor is mediated, at least in part, by two families of signaling molecules: Janus kinases and signal transducers and activators of transcription.

Synonyms: PRLR, PRL-R