

## Product datasheet for **AM33294PU-T**

### Prolactin Receptor (PRLR) Mouse Monoclonal Antibody [Clone ID: B6.2]

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | B6.2  |
| Applications:         | FC, IF, IHC, IP, WB   |
| Recommended Dilution: | <b>ELISA:</b> Use BSA free Antibody for coating.<br><b>Flow Cytometry:</b> 0.5-1 µg/million cells.<br><b>Immunofluorescence:</b> 0.5-1 µg/ml.<br><b>Western Blotting:</b> 0.25-0.5 µg/ml.<br><b>Immunoprecipitation:</b> 0.5-1 µg/500 µg protein lysate.<br><b>Immunohistochemistry on Frozen and Formalin-Fixed Sections:</b> 0.5-1.0 µg/ml for 30 minutes at RT.<br>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.<br><b>Positive Control:</b> Breast, placenta, liver or pancreas. |
| Reactivity:           | Human   |
| Host:                 | Mouse   |
| Isotype:              | IgG1  |
| Clonality:            | Monoclonal  |
| Immunogen:            | Semi-purified Human prolactin receptor.   |
| Specificity:          | It recognizes a protein of 70kDa, identified as Prolactin Receptor.<br><b>Cellular Localization:</b> Cell surface and cytoplasmic.  |
| Formulation:          | 10mM PBS<br>State: Purified<br>State: Liquid purified IgG fraction from Bioreactor Concentrate<br>Stabilizer: 0.05% BSA<br>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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|                                |   |
|--------------------------------|---|
| <b>Stability:</b>              | Shelf life: one year from despatch.   |
| <b>Predicted Protein Size:</b> | 70 kDa  |
| <b>Gene Name:</b>              | prolactin receptor  |
| <b>Database Link:</b>          | <a href="#">Entrez Gene 5618 Human P16471</a>   |
| <b>Background:</b>             | 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. |
| <b>Synonyms:</b>               | PRLR, PRL-R   |