

## Progesterone Receptor (Marker of Progestin Dependence) Antibody

Mouse Monoclonal Antibody [Clone PGR/2694]

Catalog No	Format	Size
5241-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5241-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5241-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

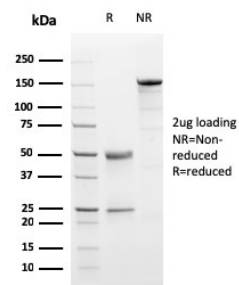
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

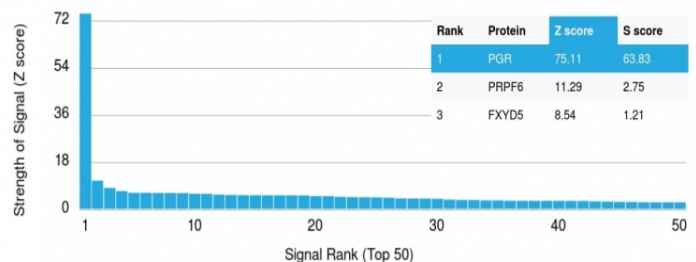
<b>Clone</b>	PGR/2694
<b>Gene Name</b>	PGR
<b>Immunogen</b>	Recombinant fragment of human Progesterone Receptor (PGR) protein (around aa 483-571) (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	PR-A (81kDa) and PR-B (116kDa).
<b>Cellular Localization</b>	Cytoplasm, Mitochondrion outer membrane, Nucleus
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	T47-D cells. Endometrial or Breast Carcinoma.

\*Optimal dilution for a specific application should be determined.

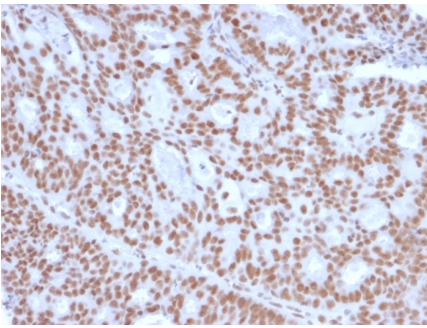
### Product Images for Progesterone Receptor (Marker of Progestin Dependence) Antibody



SDS-PAGE Analysis of Purified Progesterone Receptor Mouse Monoclonal Antibody (PGR/2694). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteins using Progesterone Receptor Mouse Monoclonal Antibody (PGR/2694). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to be specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Progesterone Receptor Mouse Monoclonal Antibody (PGR/2694).

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### Specificity & Comments

This MAb is specific to progesterone receptor and shows minimal cross-reaction with other members of the family. Progesterone receptor is expressed as two major isoforms, PR-A (81kDa) and PR-B (116kDa). Expression of PgR has been suggested to reflect an intact estrogen regulatory machinery and therefore, predict better clinical response to endocrine therapy than estrogen receptor (ER) alone. This MAb is excellent for immunohistochemical staining of formalin-fixed tissues.

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### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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### Research Areas

Breast Cancer, Cardiovascular, Signal Transduction, Transcription Factors

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