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36-2927: Anti-Progesterone Receptor (Marker of Progestin Dependence) Monoclonal Antibody(Clone: PGR/2694)

Clonality :	Monoclonal
Clone Name :	PGR/2694
Application :	IHC
Reactivity :	Human
Gene :	PGR
Gene ID :	5241
Uniprot ID :	P06401
Alternative Name :	NR3C3, Nuclear receptor subfamily 3 group C member 3, PGR, PR, PRA, PRB, Progesterone receptor form A, Progesterone receptor form B
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant fragment of human Progesterone Receptor (PGR) protein (around aa 483-571) (exact sequence is proprietary)

Description

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 sÂµggested to reflect a 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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.
Storage condition :	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.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 min at RT) (our BEST clone)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

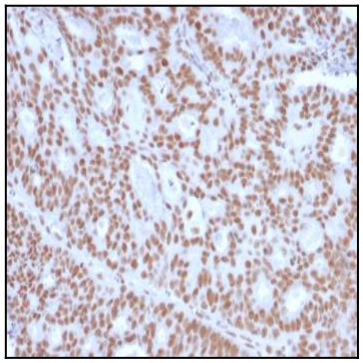

Fig. 1: Formalin-fixed, paraffin-embedded human Endometrial Carcinoma stained with Progesterone Receptor Mouse Monoclonal Antibody (PGR/2694).

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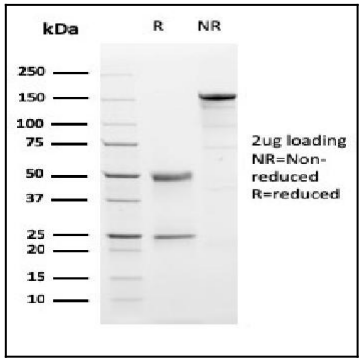

Fig. 2: SDS-PAGE Analysis Purified Progesterone Receptor Mouse Monoclonal Antibody (PGR/2694). Confirmation of Purity and Integrity of Antibody.

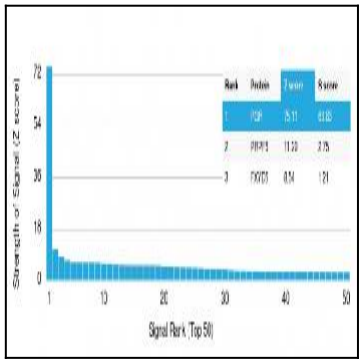

Fig. 3: Analysis of Protein Array containing more than 19,000 full-length human proteins using Progesterone Receptor Mouse Monoclonal Antibody (PGR/2694). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM 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 HuProtTM 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 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.