

Product datasheet for **TA355338**

Progesterone Receptor (PGR) Mouse Monoclonal Antibody [Clone ID: 16]

Product data:

Product Type:	Primary Antibodies
Clone Name:	16
Applications:	IHC
Recommended Dilution:	1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Prokaryotic recombinant protein corresponding to the N-terminal region of the A form of the human progesterone receptor
Specificity:	Human progesterone receptor. A and B forms are detected in Western blotting procedures but only the A form is detected in immunohistochemical procedures. This may be the result of the epitope being inaccessible in the folded B form of the progesterone receptor protein.
Formulation:	Liquid tissue culture supernatant containing sodium azide as a preservative
Conjugation:	Unconjugated
Storage:	Store at 2-8°C
Stability:	12 months
Gene Name:	progesterone receptor
Database Link:	Entrez Gene 5241 Human P06401



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Background:

The human progesterone receptor (PR) is expressed as two isoforms, PRA (94 kD) and PRB (114 kD), which function as ligand-activated transcription factors. These two isoforms are transcribed from distinct estrogen receptor (ER)-inducible promoters within a single copy PR gene.

The PRA form is a truncated version of the PRB form, lacking the first 164 N-terminal amino acids. In humans, PRA acts as a transdominant repressor of the transcriptional activity of PRB, glucocorticoid receptor, ER, androgen receptor and mineralocorticoid receptor. PRB functions mainly as a transcriptional activator. PRB is expressed strongly in endometrial glandular and stromal nuclei in the proliferative phase of the menstrual cycle and weakly during the secretory phase and early pregnancy.

Synonyms:

NR3C3; PR

Product images: