

## Mouse PGR Monoclonal Antibody | anti-PGR antibody

PGR (Progesterone Receptor, NR3C3, PR) (Biotin)

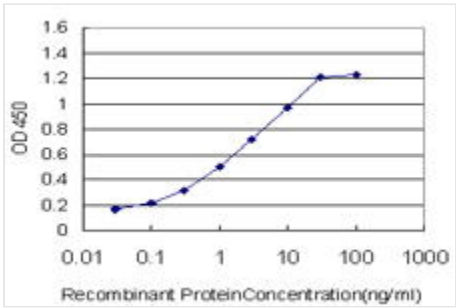
|                              |                      |                                                                               |
|------------------------------|----------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA26192</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Immunofluorescence, Immunohistochemistry, Western Blot</b> |
|------------------------------|----------------------|-------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

PGR; Monoclonal Antibody; PGR (Progesterone Receptor; NR3C3; PR) (Biotin); Progesterone Receptor; PR; anti-PGR antibody

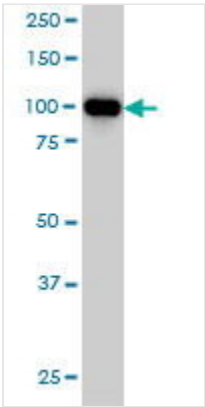
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clonality                                     | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Isotype                                       | IgG1,k                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clone Number                                  | 4.0e+9                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Specificity                                   | Recognizes PGR.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purity/Purification                           | Purified                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Form/Format                                   | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for anti-PGR antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                         |
| Application Notes                             | Applications are based on unconjugated antibody.                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen                                     | PGR (NP_000917, 1aa-110aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.                                                                                                                                                                                                                                                                                                                                          |
| Immunogen Sequence                            | MTELKAKGPRAPHVAGGPPSPEVGSPLLCRPAAGPFGSQTSDTLPEVSAIPISLDGLLFPRPCQGQDPSDEKTQDQQSLSDVEGAYSRAEATRGAGGS                                                                                                                                                                                                                                                                                                                                             |
| Conjugate                                     | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                       | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in PBS. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. |



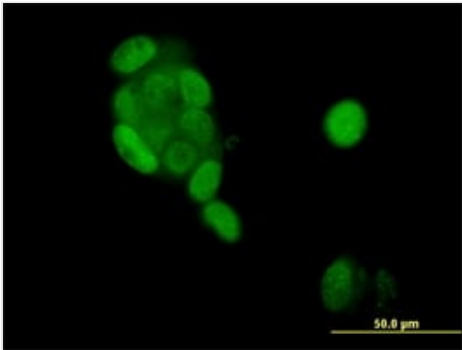
Application Data

Detection limit for recombinant GST tagged PGR is approximately 0.03ng/ml as a capture antibody.



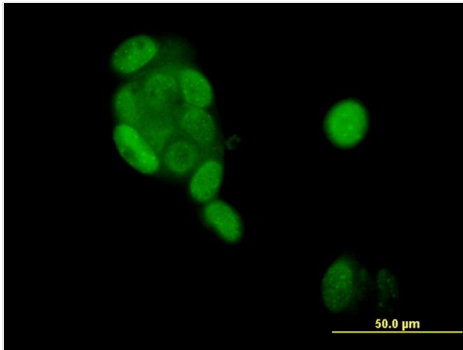
WB (Western Blot)

PGR monoclonal antibody (M08), clone 4E9 Western Blot analysis of PGR expression in MCF-7.



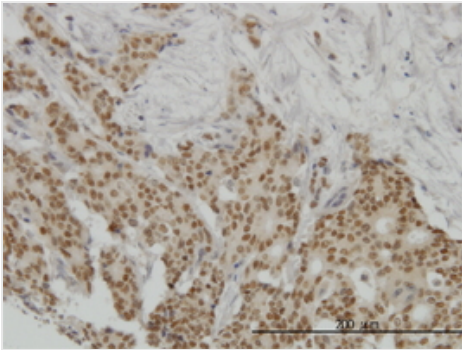
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to PGR on MCF-7 cell. [antibody concentration 10 ug/ml]



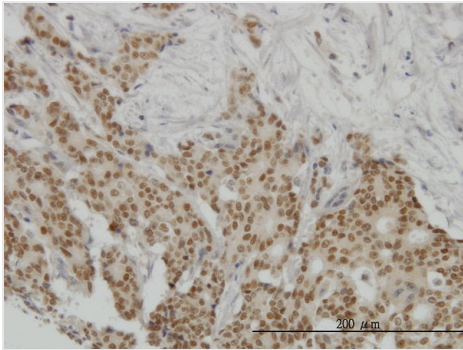
IF (Immunofluorescence)

Immunofluorescence of monoclonal antibody to PGR on MCF-7 cell. [antibody concentration 10 ug/ml]



IHC (Immunohistochemistry)

Immunoperoxidase of monoclonal antibody to PGR on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]



Application Data

Immunoperoxidase of monoclonal antibody to PGR on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 3 ug/ml]

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PGR antibody | This gene encodes a member of the steroid receptor superfamily. The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promoters and translation start sites in the first exon to produce two isoforms, A and B. The two isoforms are identical except for the additional 165 amino acids found in the N-terminus of isoform A only, and mediate their own response genes and physiologic effects with little overlap. The location of transcription initiation for isoform B has not been clearly determined. [provided by RefSeq] |
| Product Categories/Family for anti-PGR antibody   | Antibodies; Receptors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## References

1. Comparison of estrogenic responses in bone and uterus depending on the parity status in Lewis rats. Keiler AM, Bernhardt R, Scharnweber D, Jarry H, Vollmer G, Zierau O.J Steroid Biochem Mol Biol. 2012 Sep 29. pii: S0960-0760(12)00189-6. doi: 10.1016/j.jsbmb.2012.09.023.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 110611914                                                            |
| NCBI GeneID                      | 5241                                                                 |
| NCBI Accession #                 | NP_000917                                                            |
| NCBI GenBank Nucleotide #        | NM_000926                                                            |
| UniProt Accession #              | P06401; Q8TDS3; Q9UPF7; A7LQ08; A7X8B0; B4E3T0                       |
| Molecular Weight                 | 87,747 Da                                                            |
| NCBI Official Full Name          | progesterone receptor isoform B                                      |
| NCBI Official Synonym Full Names | progesterone receptor                                                |
| NCBI Official Symbol             | PGR                                                                  |
| NCBI Official Synonym Symbols    | PR; NR3C3                                                            |
| NCBI Protein Information         | progesterone receptor; nuclear receptor subfamily 3 group C member 3 |
| UniProt Protein Name             | Progesterone receptor                                                |
| UniProt Gene Name                | <b>PGR</b>                                                           |
| UniProt Synonym Gene Names       | NR3C3; PR                                                            |
| UniProt Entry Name               | PRGR_HUMAN                                                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pgr-antibody-clone-4-0e-9-immunofluorescence-immunohistochemistry-western-blot-elisa/26192>