

Progesterone Receptor (PR) [16]

Concentrated and Prediluted Monoclonal Antibody
903-424-020818

BIOCARE
M E D I C A L

Catalog Number:	ACA 424 A, C	OAA 424 T60
Description:	0.1, 1.0 ml, concentrated	60 tests, prediluted
Dilution:	1:100	Ready-to-use
Diluent:	Van Gogh Yellow	N/A

Intended Use:

Analyte Specific Reagent. Analytical and performance characteristics are not established.

Summary & Explanation:

Progesterone Receptor (PGR) content of breast cancer tissue is an important parameter in the prediction of prognosis and response to endocrine therapy (5). Studies have shown PGR clone 16 is directed against the human progesterone receptor molecule (1-5). A prokaryotic recombinant protein, corresponding to the N-terminal region of the A form of human progesterone receptor, was used as the immunogen. Antibody characterization studies demonstrated that PGR clone 16 reacts with both A and B forms of human progesterone receptor by Western blotting procedure (4).

Source: Mouse monoclonal

Clone: 16

Isotype: IgG1

Known Applications:

Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:

Buffer with protein carrier and preservative

Storage and Stability:

Store at 2°C to 8°C. Do not use after expiration date printed on vial. If reagents are stored under conditions other than those specified in the package insert, they must be verified by the user. Diluted reagents should be used promptly; any remaining reagent should be stored at 2°C to 8°C.

Analyte Specific Reagent Note:

ACA424 has been quality controlled by IHC using Biocare's MACH 4 Universal HRP-Polymer Detection. Quality control of OAA424 has been performed by IHC using the ONCORE Automated Slide Stainer with Mouse HRP Detection, pH 6 heat-induced epitope retrieval at 103°C and DS Buffer. However, it is the responsibility of the laboratory or the end-user to develop their own protocol and label appropriate disclaimer.

References:

1. Qiu J, *et al.* Effect of delayed formalin fixation on estrogen and progesterone receptors in breast cancer: a study of three different clones. *Am J Clin Pathol.* 2010 Nov; 134(5):813-9.
2. Arihito K, *et al.* Comparison of evaluations for hormone receptors in breast carcinomas using two manual and three automated immunohistochemical assays. *Am J Clin Pathol.* 2007 Mar; 127(3):356-65.
3. Press M, *et al.* Comparison of different antibodies for detection of progesterone receptor in breast cancer steroids. *Steroids.* 2002 Aug; 67(9):799-813.
4. Mote P, *et al.* Detection of progesterone receptor forms A and B by immunohistochemical analysis. *J Clin Pathol.* 2001 Aug; 54(8):624-30.
5. Bevitt D, *et al.* New monoclonal antibodies to oestrogen and progesterone receptors effective for paraffin section immunohistochemistry. *J Pathol.* 1997 Oct; 183(3):228-32.
6. Center for Disease Control Manual. Guide: Safety Management, NO. CDC-22, Atlanta, GA. April 30, 1976 "Decontamination of Laboratory Sink Drains to Remove Azide Salts."
7. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition CLSI document M29-A4 Wayne, PA 2014.



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