Intended Use:
Analyte Specific Reagent. Analytical and performance characteristics are not established.

Summary & Explanation:
Estrogen Receptor (ER) [1D5] is a mouse monoclonal antibody directed against human estrogen receptor protein. ER is a 66 kDa protein that mediates the actions of estrogen in estrogen-responsive tissues. It is a member of a large superfamily of nuclear-hormone receptors that function as ligand-activated transcription factors. The ER gene consists of more than 140 kb of genomic DNA divided into 8 exons. These translate into a protein with six functionally discrete domains labeled A through F. ER [1D5] reacts with the amino-terminal domain in the A/B region of ER-alpha. This clone has been established to work in formalin-fixed, paraffin-embedded tissues and has been published in numerous breast cancer research studies.

Source: Mouse monoclonal
Clone: 1D5
Isotype: IgG1/kappa

Known Applications:
Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

Supplied As:
Buffer with protein carrier and preservative

Storage and Stability:
Store at 2ºC to 8ºC. 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 2ºC to 8ºC.

Analyte Specific Reagent Note:
The Estrogen Receptor (ER) [1D5] antibody has been quality controlled by IHC using Biocare’s MACH 4 Detection System with antigen retrieval. However, it is the responsibility of the laboratory or end-user to develop their own protocol and label appropriate disclaimer.

References: