# ERG / ETS Transcription Factor (Prostate Cancer Marker) Antibody

Mouse Monoclonal Antibody [Clone ERG/2107]

| Catalog No | Format | Size |
|---|---|---|
| 2078-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 2078-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 2078-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

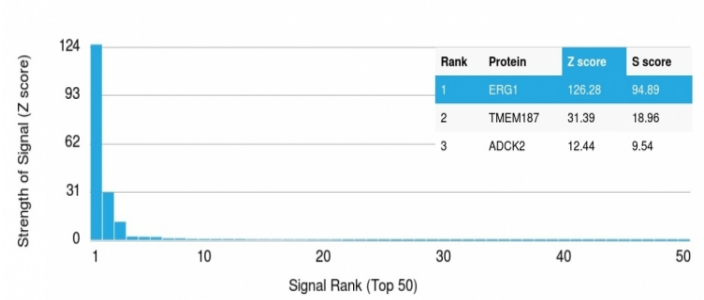
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

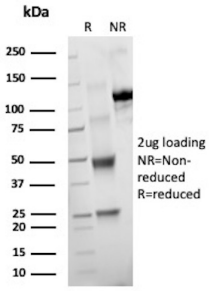
| | |
|---|---|
| **Clone** | ERG/2107 |
| **Gene Name** | ERG |
| **Immunogen** | Recombinant human full-length ERG protein |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG2b / Kappa |
| **Mol. Weight of Antigen** | 55kDa |
| **Cellular Localization** | Cytoplasm, Nucleus |
| **Species Reactivity** | Human |
| **Positive Control** | Ewing sarcoma or prostate adenocarcinoma tissues., HUVEC cells. Human tonsil |

**Optimal dilution for a specific application should be determined.*

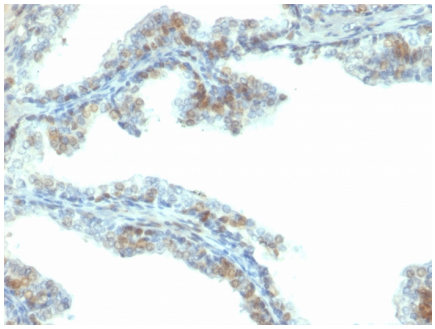
## Product Images for ERG / ETS Transcription Factor (Prostate Cancer Marker) Antibody




Analysis of Protein Array containing more than 19,000 full-length human proteinsusing ERG Mouse Monoclonal Antibody (ERG/2107). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (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 MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb 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 MAb to protein X is equal to 29.




SDS-PAGE Analysis of Purified ERG Mouse Monoclonal Antibody (ERG1/2107 ). Confirmation of Purity and Integrity of Antibody



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with ERG Mouse Monoclonal Antibody (ERG/2107).

## Specificity & Comments

The transcription factor erythroblastosis virus E26 transforming sequence related gene (ERG) functions as a regulator of key cellular functions to promote endothelial homeostasis.Expression of ERG has been observed in both benign and malignant vascular endothelial tumors, such as hemangiomas and Kaposi sarcomas, respectively.Carcinomas of the breast, colon, and urothelium have demonstrated absence of ERG expression, whereas presence of the protein has been confirmed in a subset of prostate carcinoma cases.Anti-ERG can be a useful tool for identifying vascular endothelial neoplasms and distinguishing prostate carcinoma from epithelial tumors of non-prostatic origin.

## Supplied As

200ug/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 and Stability

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. No MSDS required.

## Research Areas

Endothelial Cell Marker, Nuclear Marker

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.