

## 36-2259: Anti-ETS1 (Marker of Tumor Metastasis) Monoclonal Antibody(Clone: ETS1/1801)

|                                |  |
|--------------------------------|--|
| <b>Clonality :</b>             | Monoclonal   |
| <b>Clone Name :</b>            | ETS1/1801  |
| <b>Application :</b>           | ELISA  |
| <b>Reactivity :</b>            | Human  |
| <b>Gene :</b>                  | ETS1   |
| <b>Gene ID :</b>               | 2113   |
| <b>Uniprot ID :</b>            | P14921   |
| <b>Alternative Name :</b>      | Avian erythroblastosis virus E26 (v ets) oncogene homolog 1; ETS1; EWSR2; p54; v-ets erythroblastosis virus E26 oncogene homolog 1 |
| <b>Isotype :</b>               | Mouse IgG2b, kappa   |
| <b>Immunogen Information :</b> | Recombinant human ETS1 fragment (around aa137-230) (exact sequence is proprietary)   |

### Description

ETS1 proto-oncogene is an important transcription factor that plays a role in cell proliferation and differentiation. ETS1 is related to the growth of carcinoma cells by its regulation of the transcription of matrix metalloproteinases and urokinase-type plasminogen activator. The processes of tumor invasion and metastasis depend on the increased proteolytic activity of the invading tumor cells that may involve matrix metalloproteinases, cathepsins B and D and plasminogen activator in the metastatic cascade. ETS1 is preferentially expressed in lymphoid cells, where it is essential for the maintenance of the normal pool of resting T and B cells. ETS1 expression level and distribution are differentially controlled in resting, activated and apoptotic lymphocytes.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 200 µg/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. |
| <b>Storage condition :</b> | 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.                               |

### Application Note

ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA);

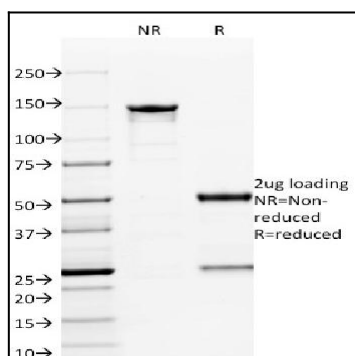


Fig. 1: SDS-PAGE Analysis Purified ETS1 Mouse Monoclonal Antibody (ETS1/1801). Confirmation of Integrity and Purity of Antibody.

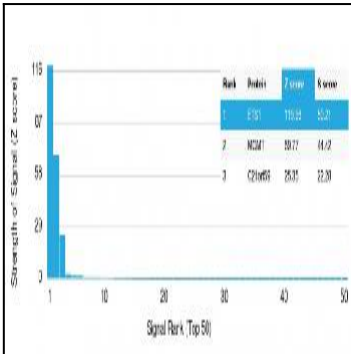


Fig. 2: Analysis of Protein Array containing more than 19,000 full-length human proteins using ETS1 Mouse Monoclonal Antibody (ETS1/1801) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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 HuProt™ 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 Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody 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 Monoclonal Antibody to protein X is equal to 29.