

Name: ERG mouse monoclonal antibody, clone UMAB78

Catalog: UM500066

## Product Data Sheet - UltraMAB

Gene Name: Homo sapiens v-ets erythroblastosis virus E26 oncogene homolog (avian) (ERG), transcript variant 1  
GeneBank accession: NM\_182918  
Isotype: IgG1

Reactivity: Human  
Test application: WB  
Clone Name: Clone UMAB78

**Gene Synonym:** erg-3; p55

**Validation Data:**

**Guaranteed Applications:** IHC, 10K-CHIP

**Western Blot**

**Suggested Dilutions:** IHC 1:100,

**Immunogen:** Full length human recombinant protein of human ERG(NP\_891548) produced in HEK293T cell.

**Components:**

- ERG mouse monoclonal antibody, clone UMAB78 (UM500066)

**Amount:**

UM500066 100ul

**Concentration:** 0.5~1.0 mg/ml (Lot Dependent)

**Storage Condition:** Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

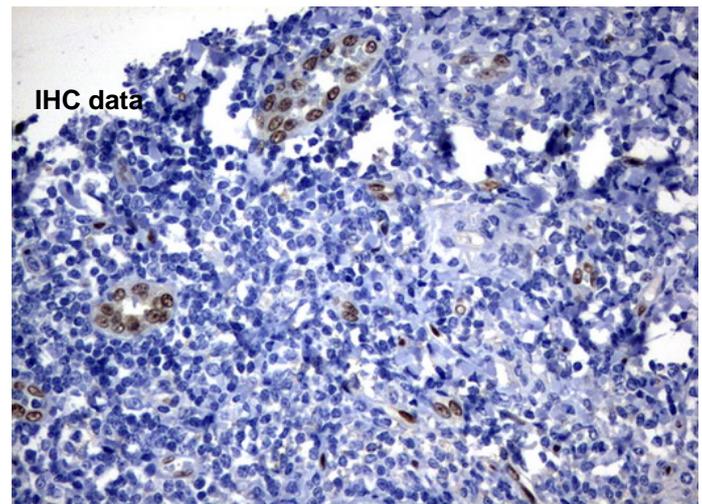
**Buffer:** PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

**Purification:**

Purified from mouse ascites fluids by affinity chromatography

**Background:**

This gene encodes a member of the erythroblast transformation-specific (ETS) family of transcriptions factors. All members of this family are key regulators of embryonic development, cell proliferation, differentiation, angiogenesis, inflammation, and apoptosis. The protein encoded by this gene is mainly expressed in the nucleus. It contains an ETS DNA-binding domain and a PNT (pointed) domain which is implicated in the self-association of chimeric oncoproteins. This protein is required for platelet adhesion to the subendothelium, inducing vascular cell remodeling. It also regulates hematopoiesis, and the differentiation and maturation of megakaryocytic cells. This gene is involved in chromosomal translocations, resulting in different fusion gene products, such as TMPSSR2-ERG and NDRG1-ERG in prostate cancer, EWS-ERG in Ewing's sarcoma and FUS-ERG in acute myeloid leukemia. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jan



Immunohistochemical staining of paraffin-embedded Human tonsil using anti-ERG mouse monoclonal antibody. (UM500066)

**Related Product:**

TrueORF cDNA clones  
VERIFY Tagged Antigen lysates  
HuSH-29 shRNA  
Western Blot reagents  
Anti-myc/DDK tag antibodies

\* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

\* More validation images may be available on our website:

<http://www.origene.com/antibody/UM500066.aspx>

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***

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