



## ELF4 Antibody

CATALOG NUMBER: 27-529



Antibody used in WB on Transfected 293T  
at 0.2-1 ug/ml.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, WB
<b>APPLICATIONS:</b>	ELF4 antibody can be used for detection of ELF4 by ELISA at 1:62500. ELF4 antibody can be used for detection of ELF4 by western blot at 1 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.
<b>POSITIVE CONTROL:</b>	1) Transfected 293T Cell Lysate
<b>PREDICTED MOLECULAR WEIGHT:</b>	71 kDa
<b>IMMUNOGEN:</b>	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human ELF4.
<b>HOST SPECIES:</b>	Rabbit

### Properties

<b>PURIFICATION:</b>	Antibody is purified by peptide affinity chromatography method.
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 uL of distilled water. Final antibody concentration is 1 mg/mL.
<b>CONCENTRATION:</b>	1 mg/ml
<b>STORAGE CONDITIONS:</b>	For short periods of storage (days) store at 4°C. For longer periods of storage, store ELF4 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	ELF4, ELFR, MEF
<b>ACCESSION NO.:</b>	NP_001412
<b>PROTEIN GI NO.:</b>	4503555

**OFFICIAL SYMBOL:** ELF4

**GENE ID:** 2000

### Background

**BACKGROUND:** ELF4 contains 1 ETS DNA-binding domain and belongs to the ETS family. It is transcriptional activator that binds to DNA sequences containing the consensus 5'-WGGA-3'. It transactivates promoters of the hematopoietic growth factor genes CSF2, IL3, IL8, and of the bovine lysozyme gene. It acts synergistically with RUNX1 to transactivate the IL3 promoter and also transactivates the PRF1 promoter in natural killer (NK) cells. ELF4 plays a role in the development and function of NK and NK T-cells and in innate immunity.

**REFERENCES:** 1) Moore, S.D., (2006) Leuk. Res. 30 (8), 1037-1042.

**FOR RESEARCH USE ONLY**

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