This gene encodes an ETS family transcription factor. The product of this gene contains two functional domains: a N-terminal pointed (PNT) domain that is involved in protein-protein interactions with itself and other proteins, and a C-terminal DNA-binding domain. Gene knockout studies in mice suggest that it is required for hematopoiesis and maintenance of the developing vascular network. This gene is known to be involved in a large number of chromosomal rearrangements associated with leukemia and congenital fibrosarcoma.

**Cellular Component:** cytoplasm; nucleolus

### Uniprot / NCBI Summary

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
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<tr>
<td>UniProt Primary Accession #</td>
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<tr>
<td>UniProt Secondary Accession #</td>
<td>Q9UMF6; Q9UMF7</td>
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<tr>
<td>Molecular Weight</td>
<td>53,000 Da (452 aa)</td>
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</tbody>
</table>

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### Physical Characteristics

- **Quantity:** 100 μg
- **Concentration:** 1.0 mg/ml
- **Host / Isotype:** mouse IgG1
- **Clonality:** monoclonal; ID R1092.1.1A9
- **Immunogen:** recombinant protein corresponding to aa residues 338-443 of human ETV6
- **Purification:** affinity-chromatography using Protein G
- **Formulation:** 30% glycerol, 1x PBS, 0.02% sodium azide

### Tested Research Applications

- **Immunoprecipitation:** recommended; see below.
- **Western Blot:** tested on cells transfected with a construct encoding ETV6; utility on native cells under evaluation
- **ChiP-Seq:** recommended; see page 2
- **Octet:** Recommended.

### Quality Assurance

![Quality Assurance Graph](image)

Specificity Analysis with HuProt™ Human Proteome Microarray: Anti Human ETV6 (clone R1092.1.1A9) was analyzed using the CDI HuProt™ Human Proteome Microarray.

For more information on A/S scores and how they relate to specificity, see page 2.
Anti-Human ETV6, monoclonal (clone R1092.1.1A9)

Recommended name: Transcription factor ETV6
Alternative name(s): ETS translocation variant 6; ETS-related Tel1; Short name: Tel

Cat. No. m15-030
Lot. No. 20150825.IJVR
Quantity: 100 µg
Storage: -20 °C

FOR RESEARCH USE ONLY
NOT FOR USE IN HUMANS

Uniprot / NCBI Summary

Continued from page 1.

General Reference:

Tested Research Applications

ChIP-Seq: Recommended

ETV6
ETV6
Input
gene

The ChIP was performed with chromatin from 10 million GM12878 cells and 3 µg of Anti-ETV6 (clone ID # R1092.1.1A9) antibody. The ChIP DNA was sequenced on an Illumina HiSeq platform and read counts were calculated at consecutive 100 bp bins across the human genome hg19. Normalized read-count levels for ChIP-seq of ETV6 (R1092.1.1A9) and control (Input) around the CTDSPL and CX3CR1 loci are displayed in the CisGenome browser.

About A and S Scores:
When $S > 3$ over the next listed target, it is indicative of a monospecific antibody.

Statistical Analysis: Thousands of GenePix data points (from the microarray) are analyzed in terms of signal strength and ranked accordingly.

SUMMARY: The A-score indicates the number of standard deviations above background seen for the mean signal bound by the target antigen. The S-score represents the difference between the A-score of the target antigen and the next best hit on the array. $S$-score greater than 3 standard deviations over the next listed target are deemed statistically significant and indicate highly specific antibodies. More info at cdilab.com/HighSpec.html

The development of this antibody was supported by the National Institutes of Health Protein Capture Reagent Program under award U54HG06434 to CDI Laboratories and Johns Hopkins University.