

# Anti-Human ETV6, monoclonal (clone R1092.1.1A9)

**Recommended name:** Transcription factor ETV6

**Alternative name(s):** ETS translocation variant 6; ETS-related protein 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

**DATASHEET Page 1 of 2**

## Uniprot / NCBI Summary

### UniProt

Primary Accession # [P41212](#)  
Secondary Accession # [Q9UMF6](#); [Q9UMF7](#)

### NCBI

GI # [730927](#)  
GenID [2120](#)  
Accession # [P41212.1](#)  
GenBank Nucleotide # [n/a](#)

**Molecular Weight** 53,000 Da (452 aa)

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

*Continued on page 2.*

## 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

**Specificity:** monospecific for human ETV6; see microarray analysis below

**Reactivity:** human

**Stability/Storage:** 12 months long term: -20 °C; short term: 4 °C; avoid freeze-thaw cycles; aliquot as required

**Handling Notes:** small volumes of antibody may occasionally become entrapped in the seal of the product vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container cap.

## Tested Research Applications

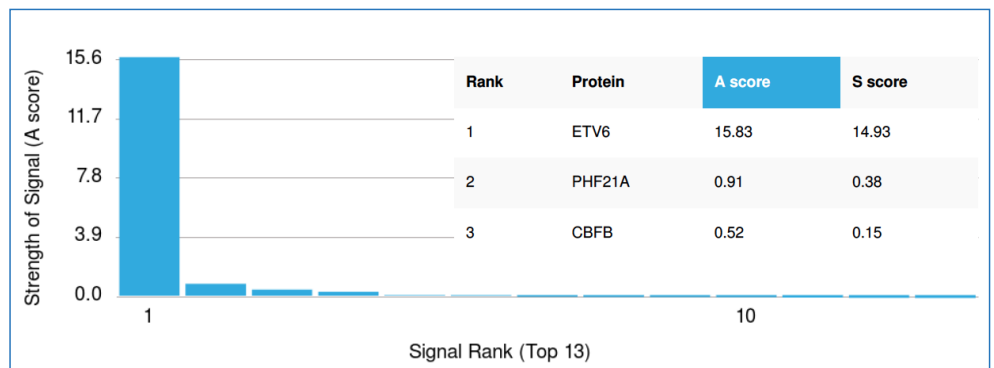
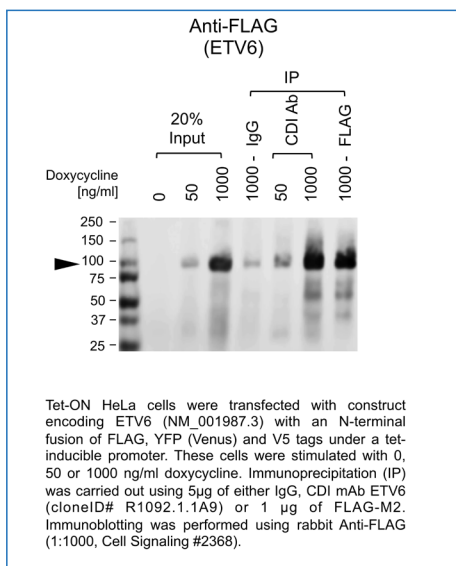
**Immunoprecipitation:** recommended; see below.

**ChIP-Seq:** recommended; see page 2

**Western Blot:** tested on cells transfected with a construct encoding ETV6; utility on native cells under evaluation

**Octet:** Recommended.

## Quality Assurance



**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 protein 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

DATASHEET Page 2 of 2

## Uniprot / NCBI Summary

Continued from page 1.

### General Reference:

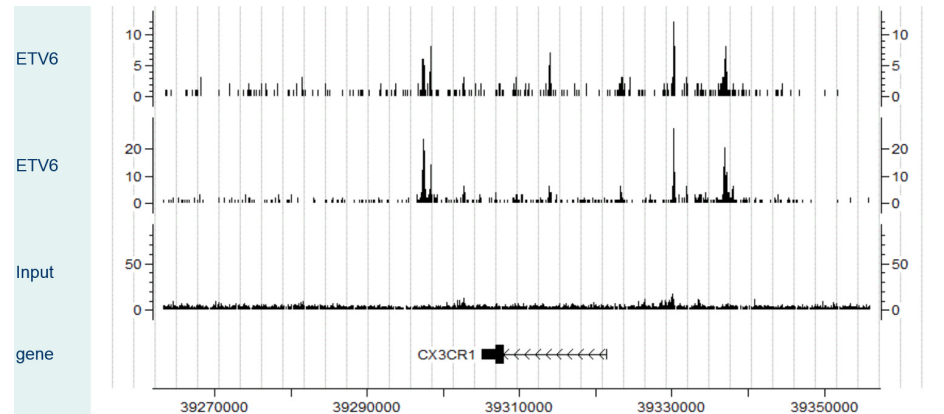
Gancheva K, Virchis A, Howard-Reeves J, Cross NC, Brazma D, Grace C, Kotzampaliris P, Partheniou F, Nacheva E (2013) Myeloproliferative neoplasm with ETV6-ABL1 fusion: a case report and literature review. *Mol Cytogenet* 6:39. [PubMed]

De Braekeleer E, Douet-Guilbert N, Morel F, Le Bris MJ, Basinko A, De Braekeleer M (2012) ETV6 fusion genes in hematological malignancies: a review. *Leuk Res* 36:945-961. [PubMed]

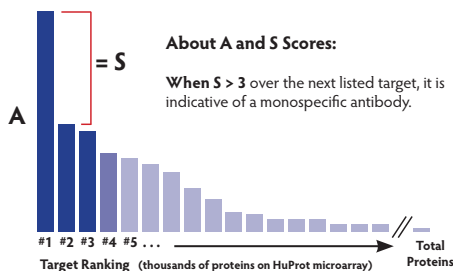
Park J, Kim M, Lim J, Kim Y, Han K, Kim JS, Lee S, Kim HJ, Min WS (2013) Variant of ETV6/ABL1 gene is associated with leukemia phenotype. *Acta Haematol* 129:78-82. [PubMed]

## Tested Research Applications

### ChIP-Seq: Recommended



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.



**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-scores **greater than 3 standard deviations over the next listed target** are deemed statistically significant and indicate **highly specific antibodies**. More info at [cdi-lab.com/HighSpec.html](http://cdi-lab.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.

Guanajibo Research and Innovation Park  
4005 St B Road 114 Km 1.3  
Mayaguez, PR 00682

T 787.806-4100 Ext 233  
F 787.806-4006  
[www.cdi-lab.com](http://www.cdi-lab.com)

© CDI Laboratories 2016.  
For research use only. Not for use in humans or for diagnostics.  
Lot-specific Datasheet version tracker: v1.0.0

