

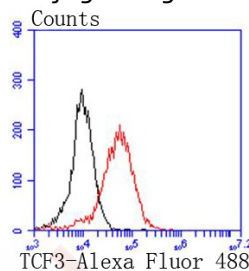
## Anti-TCF3 Antibody (4S132)

## Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 67 kDa.
Clone:	4S132
Purification:	ProA affinity purified

## Applications

Verified Activity: 1. Flow cytometric analysis of 293 cells with TCF3 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



Application:	FCM,WB
Recommended	WB: 1:1000; FCM: 1:50-100

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P15923
Synonyms:	E2A;E47;E12;ITF1;AGM8;MGC129648;Negative vitamin D response element binding protein; Immunoglobulin enhancer-binding factor E12/E47;Kappa-E2-binding factor;VDR interacting repressor;MGC129647;TCF-3;VDIR;vitamin D receptor-interacting repressor;bHLHb21;Helix loop helix protein HE47;E2A immunoglobulin enhancer binding factors E12/E47;NOL1-TCF3 fusion; Class B basic helix-loop-helix protein 21;transcription factor 3 variant 3;Transcription factor 3; transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47);Transcription factor ITF-1;Transcription factor E2-alpha;Immunoglobulin transcription factor 1;TFE2_HUMAN

**Research Background**

Differentiation of myogenic cells is regulated by multiple positively and negatively acting factors. One well characterized family of helix-loop-helix (HLH) proteins known to play an important role in the regulation of muscle cell development include Myo D, myogenin, Myf-5 and Myf-6 (also designated MRF-4 or herculin). Myo D transcription factors form heterodimers with products of a more widely expressed family of bHLH genes, the E family, which consists of at least three distinct genes: E2A, IF2 and HEB. Myo D-E heterodimers bind avidly to consensus (CANNTG) E box target sites that are functionally important elements in the upstream regulatory sequences of many muscle-specific terminal differentiation genes. Both homo- and heterooligomers of these proteins are able to distinguish very closely related E box proteins and are believed to play important roles in lineage specific gene expression.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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