



Datasheet for ABIN1724729

anti-TCF3 antibody



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Overview

Quantity:	100 µL
Target:	TCF3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TCF3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human TCF3 expressed in E. coli.
Clone:	6B8
Isotype:	IgG1
Purification:	purified

Target Details

Target:	TCF3
Alternative Name:	TCF3 (TCF3 Products)
Background:	Description: Heterodimers between TCF3 and tissue-specific basic helix-loop-helix (bHLH) proteins play major roles in determining tissue-specific cell fate during embryogenesis, like muscle or early B-cell differentiation. Dimers bind DNA on E-box motifs: 5'-CANNTG-3'. Binds to the kappa-E2 site in the kappa immunoglobulin gene enhancer.

Target Details

Aliases: E2A, ITF1, VDIR, bHLHb21, MGC129647, MGC129648, TCF3

Molecular Weight: 67.6 kDa

Gene ID: 6929

HGNC: 6929

Pathways: [WNT Signaling](#), [Stem Cell Maintenance](#), [Regulation of Muscle Cell Differentiation](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

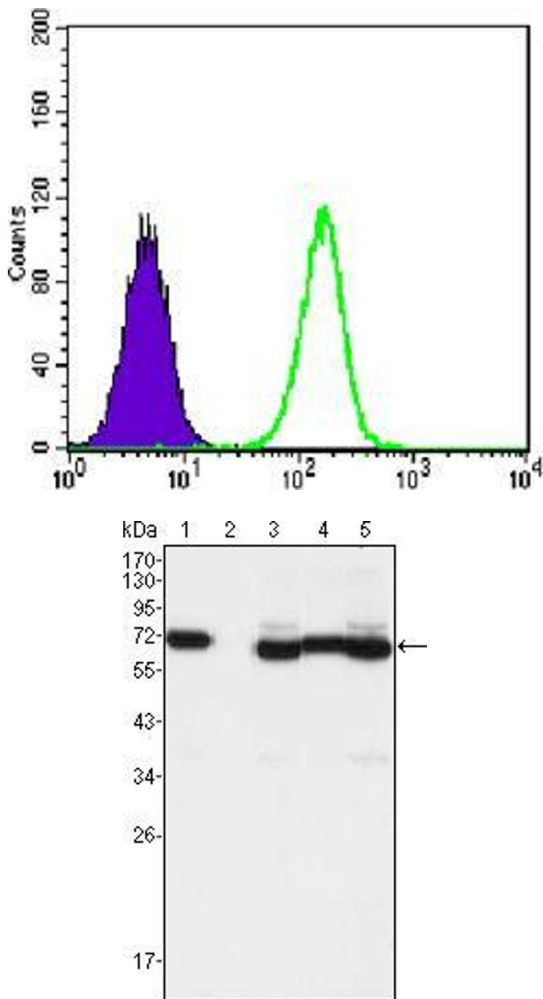
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Zaha, Young: "AMP-activated protein kinase regulation and biological actions in the heart." in: **Circulation research**, Vol. 111, Issue 6, pp. 800-14, (2012) ([PubMed](#)).

Oliveira, Zhang, Solis, Isackson, Bellahcene, Yavari, Pinter, Davies, Ge, Ashrafian, Walker, Carling, Watkins, Casadei, Redwood: "AMP-activated protein kinase phosphorylates cardiac troponin I and alters contractility of murine ventricular myocytes." in: **Circulation research**, Vol. 110, Issue 9, pp. 1192-201, (2012) ([PubMed](#)).



Flow Cytometry

Image 1. Flow cytometric analysis of A549 cells using anti-TCF3 mAb (green) and negative control (purple).

Western Blotting

Image 2. Western blot analysis using TCF3 mouse mAb against A549 (1), A431 (2), HeLa (3), PANC-1 (4) and PC-3 (5) cell lysate.