TGF-β1, 2, 3 APC-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 1D11

Catalog Number: IC1835A

100 TESTS

DESCRIPTION

Specificity	Detects bovine, chicken, mouse, and human TGF-β in ELISAs and Western blots. It recognizes human TGF-β1, TGF-β2, and TGF-β3.
Source	Monoclonal Mouse IgG_1 Clone # 1D11
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Bovine bone-derived TGF-β1 and TGF-β2
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

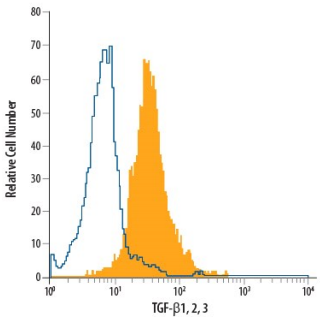
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Intracellular Staining by Flow Cytometry



Detection of TGF-β1, 2, 3 in PC-3 Human Cell Line by Flow Cytometry. PC-3 human prostate cancer cell line was stained with Mouse Anti-TGF-β1, 2, 3 APC-conjugated Monoclonal Antibody (Catalog # IC1835A, filled histogram) or isotype control antibody (Catalog # IC002A, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

TGF-β1, -2, and -3 are a closely related group of proteins (70–80% sequence homology) that are produced by many cell types and function as growth and differentiation factors. The active forms of TGF-β1, -2, and -3 are disulfide-linked homodimers.

References:

1. Ayala A. *et al.* (1992) FASEB J. **6**:A1604.
2. Roberts A.B. and Sporn M.B., eds. (1990) Peptide Growth Factors and Their Receptors I, Springer-Verlag, 419.
3. Dasch J.R. *et al.* (1989) J. Immunol. **142**:1536.

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