

## Anti-TGF alpha/TGFA Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PA1360-Fluoro647

### About TGFA

Transforming growth factor alpha (TGF-alpha) is upregulated in some human cancers. It is produced in macrophages, brain cells, and keratinocytes, and induces epithelial development. It is closely related to EGF, and can also bind to the EGF receptor with similar effects. TGFalpha stimulates neural cell proliferation in the adult injured brain. TGFalpha was cited in the 2001 NIH Stem Cell report to the U.S. Congress as promising evidence for the ability of adult stem cells to restore function in neurodegenerative disorders.

### Overview

Product Name	Anti-TGF alpha/TGFA Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P01135

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human TGF alpha, different from the related mouse and rat sequences by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

### 3 Publications Citing This Product

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1. PubMed ID: 24367598, Ruan Gp, Xu F, Li Za, Zhu Gx, Pang Rq, Wang Jx, Cai Xm, He J, Yao X, Ruan Gh, Xu Xm, Pan Xh. Plos One. 2013 Dec 18;8(12):E83507. Doi: 10.1371/Journal.Pone.0083507. Ecollection 2013. Induced Autologous Stem Cell Transplantation For Treatment Of Rab...
2. PubMed ID: 25664038, Li Xn, Pan X, Qiu D. Int J Clin Exp Med. 2014 Dec 15;7(12):5324-9. Ecollection 2014. Imbalances Of Th17 And Treg Cells And Their Respective Cytokines In Copd Patients By Disease Stage.
3. PubMed ID: 19935079, Zhang W, Chen Dq, Qi F, Wang J, Xiao Wy, Zhu Wz. J Cardiovasc Pharmacol. 2010 Jan;55(1):96-105. Doi: 10.1097/Fjc.0B013E3181C9548B. Inhibition Of Calcium-Calmodulin-Dependent Kinase Ii Suppresses Cardiac Fibroblast Proliferation And Extracellular M...

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