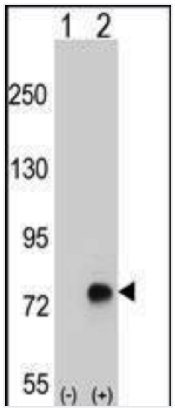
TGFBI Antibody – Rabbit Polyclonal

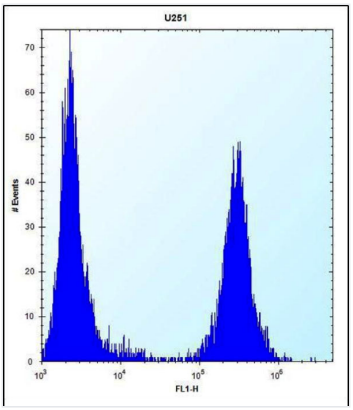
PRODUCT OVERVIEW

Product Name	TGFBI, Polyclonal Antibody
Full Product Name	TGFBI, NT (TGFBI, BIGH3, Transforming growth factor-beta-induced protein ig-h3, Kerato-epithelin, RGD-containing collagen-associated protein) (FITC)
Product Gene Name	anti-TGFBI antibody
Product Synonym Names	TGFBI; BIGH3; Transforming growth factor-beta-induced protein ig-h3; Kerato-epithelin; RGD-containing collagen-associated protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human TGFBI.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	74,681 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (135364584..135399507). Location: 5q31
OMIM	121820
3D Structure	ModBase 3D Structure for Q15582
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 106-135 amino acids from the N-terminal region of human TGFBI. Species sequence homology: bovine, mouse, porcine
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-TGFBI antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-TGFBI antibody	Western Blot (WB), Flow Cytometry (FC/FACS), FLISA
Application Notes for anti-TGFBI antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TGFBI antibody	This gene encodes an RGD-containing protein that binds to type I, II and IV collagens. The RGD motif is found in many extracellular matrix proteins modulating cell adhesion and serves as a ligand recognition sequence for several integrins. This protein plays a role in cell-collagen interactions and may be involved in endochondrial bone formation in cartilage. The protein is induced by transforming growth factor-beta and acts to inhibit cell adhesion. Mutations in this gene are associated with multiple types of corneal dystrophy.

Product References and Citations for anti-TGFBI antibody	1. Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010). 2. Edelstein, S.L., et al. Cornea 29(6):698-700(2010). 3. Romero, P., et al. Mol. Vis. 16, 1601-1609 (2010). 4. Paliwal, P., et al. Mol. Vis. 16, 1429-1438 (2010). 5. Yang, J., et al. Mol. Vis. 16, 1186-1193 (2010).
Other Notes	Small volumes of anti-TGFBI antibody vial(s) 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`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TGFBI purchase	MBS6355176 is an antibody targeting TGFBI. Also known as TGFBI, NT (TGFBI, BIGH3, Transforming growth factor-beta-induced protein ig-h3, Kerato-epithelin, RGD-containing collagen-associated protein) (FITC). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-TGFBI antibody
Western Blot analysis of TGFBI (arrow) in 293 cell lysates (2ug/lane) usingMBS6008004. Lane 1: nontransfected Lane 2: transiently transfected with the TGFBI gene.



Flow Cytometry (FC/FACS) of anti-TGFBI antibody
Flow Cytometric analysis of U251 cells using MBS6008004 (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TGFBI. It may not necessarily be applicable to this product.

NCBI GI #	4507467
NCBI GeneID	7045
NCBI Accession #	NP_000349.1
UniProt Primary Accession #	Q15582
UniProt Secondary Accession #	O14471; O14472; O14476; O43216; O43217; O43218; O43219; Q53XM1; D3DQB1
UniProt Related Accession #	Q15582
GenBank Nucleotide #	NM_000358.2
NCBI Official Full Name	transforming growth factor-beta-induced protein ig-h3
NCBI Official Synonym Full Names	transforming growth factor, beta-induced, 68kDa
NCBI Official Symbol	TGFBI
NCBI Official Synonym Symbols	CSD; CDB1; CDG2; CSD1; CSD2; CSD3; EBMD; LCD1; BIGH3; CDGG1
UniProt Protein Name	Transforming growth factor-beta-induced protein ig-h3
UniProt Synonym Protein Names	Kerato-epithelin; RGD-containing collagen-associated protein
Protein Family	Transforming growth factor-beta-induced protein
UniProt Gene Name	TGFBI
UniProt Synonym Gene Names	BIGH3; Beta ig-h3; RGD-CAP
UniProt Entry Name	BGH3_HUMAN

NCBI Protein Information	transforming growth factor-beta-induced protein ig-h3; RGD-CAP; beta ig-h3; kerato-epithelin; RGD-containing collagen-associated protein
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/tgfbi/6355176