For Research Use Only

MultiPro™ 5CFLX Anti-Human TGFBI/BIGH3 (3E11D11)

Catalog Number:G60007-1-5C

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
G60007-1-5C

Size:
10ug , Concentration: 500ug/mL by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG0241

GenBank Accession Number:
BC000097

GeneID (NCBI):
7045

ENSEMBL Gene ID:
ENSG00000120708

UNIPROT ID:
Q15582

Full Name:
MultiPro™ 5CFLX Anti-Human TGFBI/BIGH3 (3E11D11)

CloneNo.:
3E11D11

Conjugate:
5CFLX

Full Oligo Sequence:
CGGAGATGTGTATAAGAGACAGTCCA AGGTAACTGCGCCCATATAAGAAA

Barcode Sequence:
TCCAAGGTAACTGCG

Applications

Tested Applications:
Single Cell (Intra)

Species Specificity:
Human

Background Information

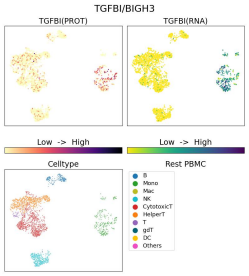
TGFBI, also named as BIGH3, Kerato-epithelin and RGD-CAP, binds to type I, II, and IV collagens. TGFBI is an adhesion protein which may play an important role in cell-collagen interactions. In cartilage, it may be involved in endochondral bone formation. TGFBI is an extracellular matrix adaptor protein, it has been reported to be differentially expressed in transformed tissues. TGFBI is a predictive factor of the response to chemotherapy, and suggest the use of TGFBI-derived peptides as possible therapeutic adjuvants for the enhancement of responses to chemotherapy.(PMID:20509890) Defects in TGFBI are the cause of epithelial basement membrane corneal dystrophy (EBMD). Defects in TGFBI are the cause of corneal dystrophy Groenouw type 1 (CDGG1). Defects in TGFBI are the cause of corneal dystrophy lattice type 1 (CDL1). Defects in TGFBI are a cause of corneal dystrophy Thiel-Behnke type (CDTB). Defects in TGFBI are the cause of Reis-Buecklers corneal dystrophy (CDRB). Defects in TGFBI are the cause of lattice corneal dystrophy type 3A (CDL3A). Defects in TGFBI are the cause of Avellino corneal dystrophy (ACD).

Storage

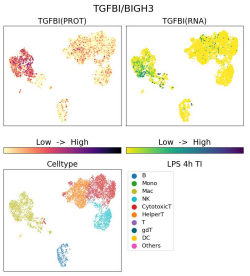
Storage:
2-8°C
Storage Buffer:
PBS with 1mM EDTA and 0.09% sodium azide

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



G60007-1-5C was used to stain Resting PBMC and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.



G60007-1-5C was used to stain PBMC under 4hr LPS + TI treatment and analyzed with 10x Genomics Gene Expression Flex with Feature Barcodes and Multiplexing kit with Fix-Stain protocol.