

Anti-Mouse TGFBI/BIGH3 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98667-2-PBS

Basic Information

Catalog Number: 98667-2-PBS	GenBank Accession Number: NM_009369.4	Purification Method: Protein A purification
Concentration: 1mg, 3 mg/ml	GeneID (NCBI): 21810	CloneNo.: 251191C5
Source: Rabbit	UNIPROT ID: P82198	
Isotype: IgG	Full Name: transforming growth factor, beta induced	
Immunogen Catalog Number: EG3160	Calculated MW: 75 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
mouse

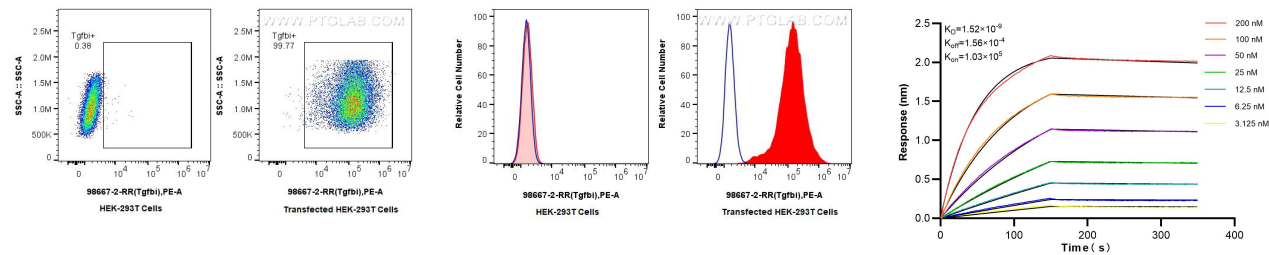
Background Information

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:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

Selected Validation Data



1x10⁶ HEK-293T cells (left) or Tgfbⁱ-transfected HEK-293T cells (right) were intracellularly stained with 0.25 ug Anti-Mouse TGFBI/BIGH3 Rabbit RecAb (98667-2-RR, Clone:251191C5), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone:240953C9) and PE-conjugated Goat Anti-Rabbit IgG. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). This data was developed using

1x10⁶ HEK-293T cells(left) or Tgfbⁱ-transfected HEK-293T cells(right) were intracellularly stained with 0.25 ug Anti-Mouse Tgfbⁱ Rabbit RecAb (98667-2-RR, Clone:251191C5) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone:240953C9) (blue) and PE-conjugated Goat Anti-Rabbit IgG. Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019). This data was developed using

Bilayer interferometry (BLI) kinetic assays of 98667-2-RR against Mouse TGFBI/BIGH3 were performed. The affinity constant is 1.52 nM.