

CoraLite® Plus 647-conjugated TGFB1 / BIGH3 Polyclonal antibody

Catalog Number: CL647-10188

Featured Product

Basic Information

Catalog Number:

CL647-10188

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0241

GenBank Accession Number:

BC000097

GeneID (NCBI):

7045

ENSEMBL Gene ID:

ENSG00000120708

UNIPROT ID:

Q15582

Full Name:

transforming growth factor, beta-induced, 68kDa

Calculated MW:

683 aa, 75 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

Background Information

TGFB1, also named as BIGH3, Kerato-epithelin and RGD-CAP, binds to type I, II, and IV collagens. TGFB1 is an adhesion protein which may play an important role in cell-collagen interactions. In cartilage, it may be involved in endochondral bone formation. TGFB1 is an extracellular matrix adaptor protein, it has been reported to be differentially expressed in transformed tissues. TGFB1 is a predictive factor of the response to chemotherapy, and suggest the use of TGFB1-derived peptides as possible therapeutic adjuvants for the enhancement of responses to chemotherapy. (PMID:20509890) Defects in TGFB1 are the cause of epithelial basement membrane corneal dystrophy (EBMD). Defects in TGFB1 are the cause of corneal dystrophy Groenouw type 1 (CDGG1). Defects in TGFB1 are the cause of corneal dystrophy lattice type 1 (CDL1). Defects in TGFB1 are a cause of corneal dystrophy Thiel-Behnke type (CTDB). Defects in TGFB1 are the cause of Reis-Buecklers corneal dystrophy (CDRB). Defects in TGFB1 are the cause of lattice corneal dystrophy type 3A (CDL3A). Defects in TGFB1 are the cause of Avellino corneal dystrophy (ACD).

Storage

Storage:

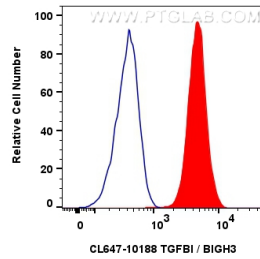
Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1x10⁶ Y79 cells were intracellularly stained with 0.8 ug CoraLite® Plus 647-conjugated TGFBI / BIGH3 Polyclonal antibody (CL647-10188)(red), or 0.8 ug CoraLite® Plus 647-conjugated Rabbit IgG control Rabbit PolyAb (CL647-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).