Datasheet for ABIN6180682

anti-TGF-beta antibody (CF®405S)

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Overview

Quantity:	100 µL
Target:	TGF-beta (TGFb)
Reactivity:	Human, Mouse, Rat, Cow, Dog, Hamster, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TGF-beta antibody is conjugated to CF®405S
Application:	Neutralization (Neut), Functional Studies (Func)

Product Details

Purpose:	Mouse Monoclonal anti-TGF-beta (1D11.16.8), CF405S Conjugate
Immunogen:	Bovine TGF-beta2 protein
Clone:	1D11-16-8
Isotype:	IgG1 kappa
Characteristics:	This MAb recognizes TGF beta 1, 2 and 3. Three TGF? ?s have been identified in mammals. TGF? ?1, TGF? ?2 and TGF? ?3 are each synthesized as precursor proteins that are very similar in that each is cleaved to yield a 112 amino acid polypeptide that remains associated with the latent portion of the molecules. Biologically active TGF? ? requires dimerization of the monomers (usually homodimers) and release of the latent peptide portion. Overall, the mature region of the TGF? ?3 protein has approximately 80 % identity to the mature region of both TGF? ?1 and TGF? ?2. However, the NH2 terminals or precursor regions of their molecules share only 27 % sequence identity. TGF? ?'s inhibit the growth of epithelial cells and stimulate

Product Details

the growth of mesenchymal cells. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. See the < a href="https://biotium.com/wp-content/uploads/2013/07/CF-dye-selection-guide.pdf" target="_blank" rel="noopener">CF® Dye Selection Guide for more information. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	TGF-beta (TGFb)
Alternative Name:	TGF-beta (TGFb Products)
Background:	GP40, Leu9, p41, T-cell leukemia antigen, T-cell surface antigen Leu-9, Tp40, TP41
Molecular Weight:	~13 kDa
Gene ID:	7040, 7042, 7043
Pathways:	EGFR Signaling Pathway, Cellular Response to Molecule of Bacterial Origin, Stem Cell Maintenance, Glycosaminoglycan Metabolic Process, Regulation of Muscle Cell Differentiation, Cell-Cell Junction Organization, Ribonucleoside Biosynthetic Process, Skeletal Muscle Fiber Development, Regulation of Carbohydrate Metabolic Process, Protein targeting to Nucleus

Application Details

Application Notes:	Cytokine neutralization or functional assay, order Ab without BSA/azideOptimal dilution for a specific application should be determined by user
Comment:	Salivary gland carcinoma
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Protect from light

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