TGF-β2/1.2 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF-302-NA

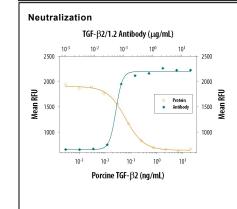
DESCRIPTION			
Specificity	Detects TGF-β2/1.2 in direct ELISAs and Western blots. In direct ELISAs and Western blots (non-reducing conditions), less than 2% cross-reactivity with TGF-β1, TGF-β3, and TGF-β5 is observed.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	Porcine platelet-derived TGF-β2		
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 μg/mL	Recombinant Human TGF-β2 (Catalog # 302-B2)
		Recombinant Human TGF-β1.2 (Catalog # 304-B3)
Immunohistochemistry	5-15 μg/mL	Immersion fixed paraffin-embedded sections of human prostate cancer tissue
Neutralization	Measured by its ability to neutralize TGF- β 2 inhibition of IL-4-dependent proliferation in the HT-2 mouse T cell line. Tsang, M. <i>et al.</i> (1995) Cytokine 7 :389. The Neutralization Dose (ND ₅₀) is typically 0.01-0.03 μ g/mL in the	
	presence of 1 ng/mL i	Porcine TGF-β2 and 7.5 ng/mL Recombinant Mouse IL-4.

DATA



TGF-B2 Inhibition of IL-4dependent Cell Proliferation and Neutralization by TGFβ2/1.2 Antibody. Porcine TGFβ2 (Catalog # 102-B2) inhibits Recombinant Mouse IL-4 (Catalog # 404-ML) induced proliferation in the HT-2 mouse T cell line in a dose-dependent manner (orange line). Inhibition of Recombinant Mouse IL-4 (7.5 ng/mL) activity elicited by Porcine TGF- β 2 (1 ng/mL) is neutralized (green line) by increasing concentrations of Goat Anti-TGF-β2/1.2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF-302-NA). The ND_{50} is typically 0.01-0.03 μg/mL.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.		

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

