Technical Data Sheet

Purified Rat Anti-Mouse, Human, Pig TGF-β1

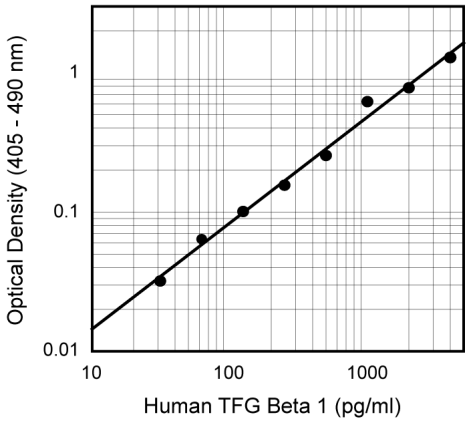
Product Information

Material Number:	**555052**
Size:	0.5 mg
Concentration:	0.5 mg/ml
Clone:	A75-2
Immunogen:	Recombinant Mouse TGF-β1
Isotype:	Rat IgG2a, κ
Reactivity:	Human, Mouse, Pig QC Testing: Human
Storage Buffer:	Aqueous buffered solution containing ≤0.09% sodium azide.

Description

The A75-2 antibody reacts with mouse, pig, human TGF-β1. The immunogen used to generate this hybridoma was recombinant mouse TGF-β1.

This antibody is routinely tested by ELISA Capture. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



TGF-β1 ELISA standard curve

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
Store undiluted at 4° C.

Application Notes

Application

ELISA	Routinely Tested
Western blot	Reported

Recommended Assay Procedure:

1. ELISA Capture: Purified A75-2 antibody is useful as the capture antibody in a sandwich ELISA for measuring mouse, human or pig TGF-β1 along with biotinylated anti-TGF-β1 clone A75-3 (Cat. No. 555053) as the detection antibody. The purified antibody should be titrated from 1.0 - 4.0 µg/ml to determine optimal concentration for ELISA capture. For specific methodology, visit the protocols section or the chapter on ELISA in the Immune Function Handbook, both of which can be found at www.bdbiosciences.com. This ELISA pair is recommended for measuring cytokine from experimental cell culture systems and is not recommended for testing serum or plasma samples. For measuring TGF-β1 in serum or plasma the BD OptEIA™ Human TGF-β1 ELISA Set (Cat. No. 559119) is specially formulated and recommended.

BD Biosciences
bdbiosciences.com

United States	Canada	Europe	Japan	Asia Pacific	Latin America/Caribbean
877.232.8995	888.259.0187	32.53.720.550	0120.8555.90	65.6861.0633	55.11.5185.9995

For country-specific contact information, visit bdbiosciences.com/how_to_order/

BD
BD Biosciences

Important: Prior to ELISA assay for TGF- β1 protein levels, samples of biological fluids must be treated by acidification. The protocol is described below.

For serum samples, first dilute serum in PBS 1:5 (20 µl serum + 80 µl PBS), then add 1 N HCl in 1:25 to adjust to pH3 (i.e. 4 µl 1 N HCl to 100 µl diluted serum). Cell supernatants can be treated undiluted with 1 N HCl in 1:25 to adjust to pH3 (i.e. 4 µl 1 N HCl to 100 µl supernatant) Incubate acidified samples for 60 minutes at 4°C (alternatively, samples can be treated at room temperature for 15 minutes). After incubation neutralize the samples by treating each sample with 1 N NaOH 1:25 and test immediately or store at -70°C until testing.

Note: This ELISA pair shows no cross-reactivity with any of the cytokines tested (e.g., mouse IL-1β, IL-2, IL-3, IL-4, IL-6, IL-7, IL-9, IL-10, IL-12 p70, IL-15, GM-CSF, IFN-γ, MCP-1, TCA-3, TNF; human IL-1α, IL-1β , IL-2 , IL-3 , IL-4, IL-6, IL-7 , IL-8, IL9 , IL-10, IL-11 , IL-12 p70, IL-12 p40, IL-13, IL-15, G-CSF, GM-CSF, IFN-γ, lymphotactin, MCP-1, MCP-2, MIP-1α, MIP-1β, NT-3, PDGF-AA, sCD23, SCF, TNF, LT-α, VEGF; rat IL-2, IL-4, IL-6, IL-10, GM-CSF, IFN-γ, TNF).

Suggested Companion Products

Catalog Number	Name	Size	Clone
559119	Human TFGβ1 ELISA Set	20 tests	(none)
555053	Biotin Rat Anti-Mouse, Human, Pig TGF-β1	0.5 mg	A75-3.1

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.