Anti-mouse/human/rat/monkey/hamster/canine/bovine TGF-beta Antibody for Flow Cytometry (Clone: 1D11.16.8, Mouse IgG1 Kappa) | PA007516.m1

Catalog No.: PA007516.m1 | **Isotype:** Mouse IgG1 Kappa | **Flow Cytometry Grade**

Recombinant mouse anti-mouse/human/rat/monkey/hamster/canine/bovine TGF-beta monoclonal antibody (Clone 1D11.16.8), engineered with a Mouse IgG1 constant region for flow cytometry and immunohistochemistry assays. Variable regions are derived from the classic 1D11.16.8 clone and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007516.m1
Product Name	Recombinant Anti-mouse/human/rat/monkey/hamster/canine/bovine TGF-beta Monoclonal Antibody (Clone: 1D11.16.8), Mouse IgG1 Kappa
Synonyms	Transforming Growth Factor-Beta, TGFB, TGF-beta2, TGFB1
Clone & Isotype	1D11.16.8 | Mouse IgG1 Kappa
Applications	Flow cytometry (FC), and Immunohistochemistry - Frozen (IHC-F).
Reactivity & Specificity	Mouse/Human/Rat/Monkey/Hamster/Canine/Bovine TGF-β. The recombinant 1D11.16.8 antibody for Flow Cytometry specifically binds to mouse/human/rat/monkey/hamster/canine/bovine TGF-β.
Source / Host	The anti-mouse/human/rat/monkey/hamster/canine/bovine TGF-β Monoclonal Antibody (Clone: 1D11.16.8) for Flow Cytometry was produced in mammalian cells.
Formulation & Conjugate	0.2 uM filtered solution, pH 7.4, containing 0.09% sodium azide. Non-conjugated.
Purity	**>95%** by SDS-PAGE under reducing conditions.
Shipping	The Recombinant Anti-mouse/human/rat/monkey/hamster/canine/bovine TGF-beta Monoclonal Antibody (Clone: 1D11.16.8) for Flow Cytometry, Mouse IgG1 Kappa is shipped with ice pack. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, 2 to 8°C as supplied. Do not freeze it.

Biological Description & Background

Recombinant Mouse IgG1 Kappa Monoclonal Antibody.

Transforming Growth Factor-Beta (TGF-β) is a multifunctional cytokine belonging to the TGF-β superfamily. TGF-β plays pivotal roles in regulating cell proliferation, differentiation, extracellular matrix production, tissue remodeling, immune suppression, and regulatory T cell (Treg) differentiation across multiple mammalian species.

Monoclonal antibody 1D11.16.8 is a pan-neutralizing monoclonal antibody that recognizes active forms of TGF-β1, TGF-β2, and TGF-β3 across mouse, human, rat, monkey, hamster, canine, and bovine species. Expressed recombinantly with a Mouse IgG1 Kappa framework in mammalian cells, clone 1D11.16.8 is widely utilized in flow cytometry and immunohistochemistry assays to study TGF-β signaling, cytokine-mediated immune regulation, and tumor microenvironment immunosuppression.

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** https://www.ushelf.com/anti-mouse-human-rat-monkey-hamster-canine-bovine-tgf-beta-monoclonal-antibody-pa007516-m1/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com