Anti-mouse/human/rat/monkey/hamster/canine/bovine TGF-beta Antibody for Flow Cytometry (Clone: 1D11.16.8, Human IgG1 Fc Silent Kappa) | PA007516.h1Fs

Catalog No.: PA007516.h1Fs | **Isotype:** Human IgG1 Fc Silent Kappa | **Flow Cytometry / In Vivo Grade**

Recombinant anti-mouse/human/rat/monkey/hamster/canine/bovine TGF-beta monoclonal antibody (Clone 1D11.16.8), engineered with a Human IgG1 Fc-Silent domain to eliminate ADCC/CDC and minimize non-specific Fc receptor binding during flow cytometry and functional assays. Variable regions are derived from the classic 1D11.16.8 clone and recombinantly expressed in mammalian cells.

Product Specifications

Catalog No.	PA007516.h1Fs
Product Name	Recombinant Anti-mouse/human/rat/monkey/hamster/canine/bovine TGF-beta Monoclonal Antibody (Clone: 1D11.16.8), Human IgG1 Fc Silent Kappa
Synonyms	Transforming Growth Factor-Beta, TGFB, TGF-beta2, TGFB1
Clone & Isotype	1D11.16.8 | Human IgG1 Fc Silent 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, Human IgG1 Fc Silent 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 Human IgG1 Monoclonal Antibody with Fc silent mutation.

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. Engineered with a Human IgG1 Fc Silent domain, this antibody eliminates ADCC/CDC effector functions and prevents non-specific Fc receptor binding, providing an optimal Fc-silent reagent for high-purity flow cytometry, IHC, and functional blocking assays in multi-species research.

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-h1fs/
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com