

Product Datasheet

TGF- β mAb (1D11.16.8), InVivoPure+ (orb3127236)

Catalog Number	orb3127236
Category	Antibodies
Description	<p>The 1D11.16.8 antibody (HB-9849TM) is a mouse monoclonal antibody directed against transforming growth factor-beta (TGF-β) isoforms 1, 2, and 3. TGF-β is a multifunctional cytokine involved in the regulation of proliferation and differentiation of various cell types, including epithelial cells, endothelial cells, fibroblasts, neurons, and immune cells such as T lymphocytes and natural killer cells. This antibody is known for its ability to neutralize TGF-β activity, making it a valuable tool in both in vitro and in vivo studies. It has been shown to significantly improve outcomes in models of advanced pancreatic cancer by inhibiting TGF-β, resulting in reduced mortality, weight loss and muscle wasting. The 1D11.16.8 antibody is highly specific and reacts with TGF-β in multiple species, including humans, mice, rats, monkeys, hamsters, dogs and cows. It is commonly used in research applications such as Western blotting, immunohistochemistry, and functional assays to study the role of TGF-β in various biological processes and diseases.</p>
Target	GF β ; TGFB1; TGFB2; TGFB3
Clonality	Monoclonal
Species/Host	Mouse
Isotype	m IgG1
Conjugation	Unconjugated
Reactivity	Bovine, Canine, Hamster, Human, Monkey, Mouse, Rat
Form/Appearance	Clear Liquid, PBS, pH 7.4, 0.2 μ m sterile filtered

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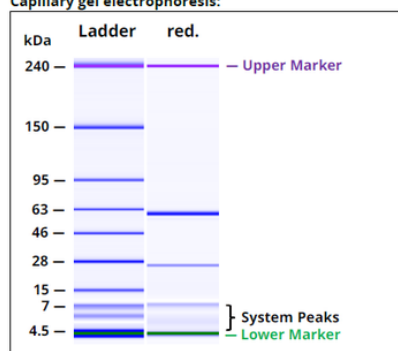
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Concentration	≥ 1 mg/ mL
Purity	≥ 95 % (CGE, reducing conditions) ≤ 5 % aggregates (analytical SEC) Endotoxin level ≤ 1 EU/mg
Immunogen	Animals were immunized with a bovine TGF-beta2
UniProt ID	A6QP91, P18341, P21214
Tested applications	FA, IHC, IHC-P, IP, NeA, WB
Application notes	Recommended Isotype: Mouse IgG1κ Isotype Control. Recommended Isotype Catalog: orb2568795
Antibody Type	Primary Antibody
Clone Number	1D11.16.8
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.

Capillary gel electrophoresis:



CGE of the purified protein under reducing (red.) conditions.

SDS-PAGE gel analysis of orb3127236.

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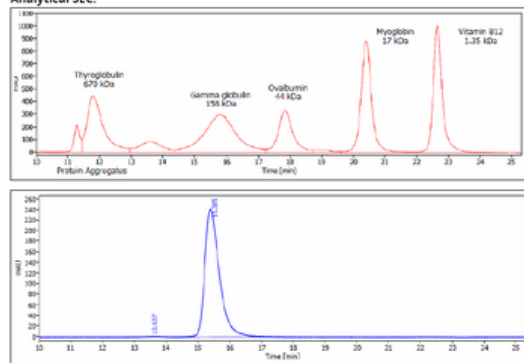
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Analytical SEC:

Analytical SEC of purified protein (blue) in comparison with gel filtration standard (red).

SEC-HPLC purity analysis of orb3127236.

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