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Human Mature TGF-beta 1 Recombinant Protein (85-514)

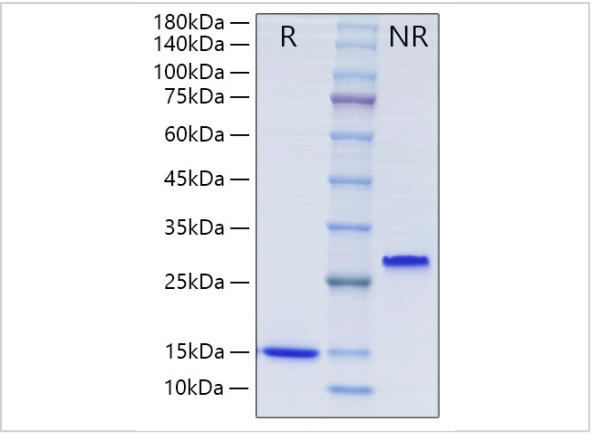
CATALOG NUMBER: 85-514

Specifications

Species	Human
Source Species	HEK293 cells
Fusion Tag	No tag
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	12.79 kDa
Biological Activity	1.Immobilized Human TGF-beta 1 at 2 μg/mL (100 μL/well) can bind Human TGFBR2 with a linear range of 0.78-11 ng/mL.2.Recombinant Human Mature TGF-beta 1 inhibit the IL-4-dependent proliferation of HT-2 mouse T cells. The ED_{50} for this effect is 12.85-51.40 pg/mL, corresponding to a specific activity of 1.95×10^{7}~7.78×10^{7} units/mg.3.Measured in a cell proliferation assay using Mv.1.lu cells. The ED_{50} for this effect is 0.08-0.32ng/mL,corresponding to a specific activity of 3.13×10^{6}~1.25×10^{7} units/mg.

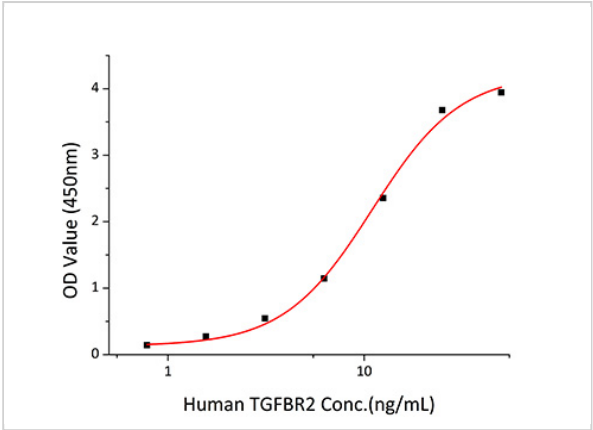
Properties

Purity	≥ 95 % as determined by SDS-PAGE.
Physical State	Lyophilized
Buffer	Lyophilized from a 0.22 μm filtered solution of 50 mM Glycine,150 mM NaCl,pH3.5.
Storage Conditions	Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.



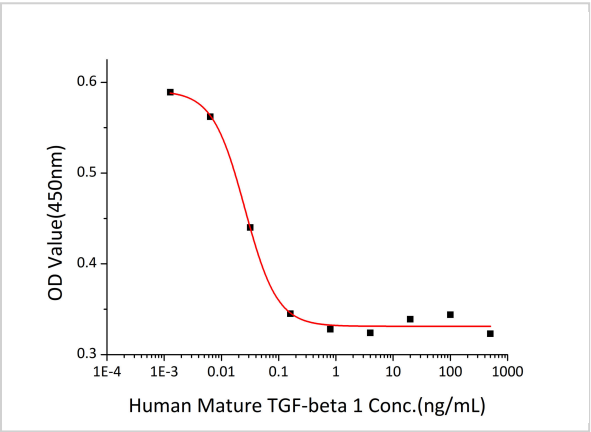
85-514_1

Recombinant Human Mature TGF-beta 1 Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



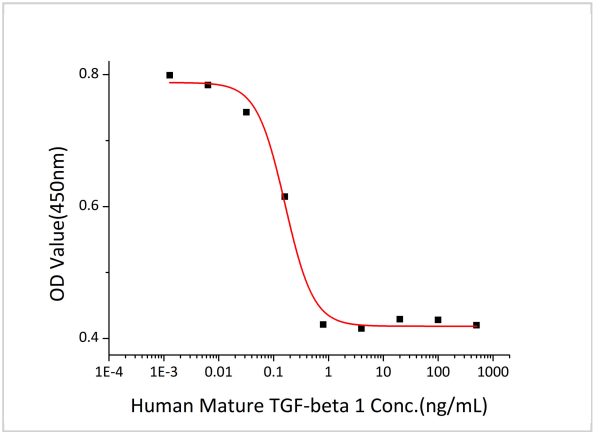
85-514_2

Immobilized Human TGF-beta 1 at 2 μg/mL (100 μL/well) can bind Human TGFBR2 with a linear range of 0.78-11 ng/mL.



85-514_3

Recombinant Human Mature TGF-beta 1 inhibit the IL-4(Catalog: 85-256)-dependent proliferation of HT-2 mouse T cells. The ED_{50} for this effect is 12.85-51.40 pg/mL, corresponding to a spe...



85-514_4

Measured in a cell proliferation assay using Mv.1.lu cells. The ED_{50} for this effect is 0.08-0.32ng/mL,corresponding to a specific activity of 3.13×10^{6}~1.25×10^{7} uni...

Disclaimer

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