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Mouse IL-1 beta Recombinant Protein (85-401)

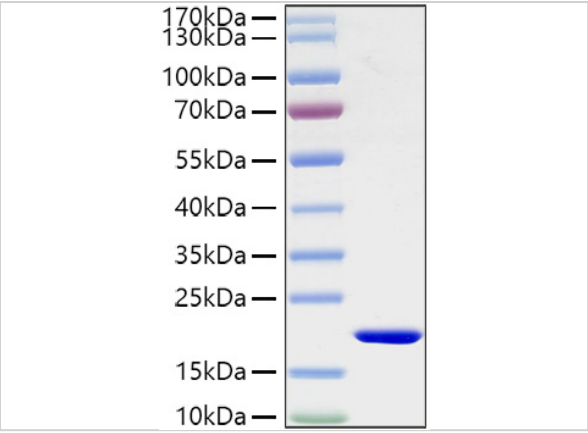
CATALOG NUMBER: 85-401

Specifications

Species	Mouse
Source Species	E. coli
Fusion Tag	C-His
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	18.23 kDa
Biological Activity	1.Measured by its binding ability in a functional ELISA. Immobilized Mouse IL1B at 10 μg/mL (100 μL/well) can bind Human IL1R2 with a linear range of 0.03125-0.8036 μg/mL. 2.Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED_{50} for this effect is 42.1-168.4 pg/mL, corresponding to a specific activity of 5.94×10^{6}-2.37×10^{7}units/mg.

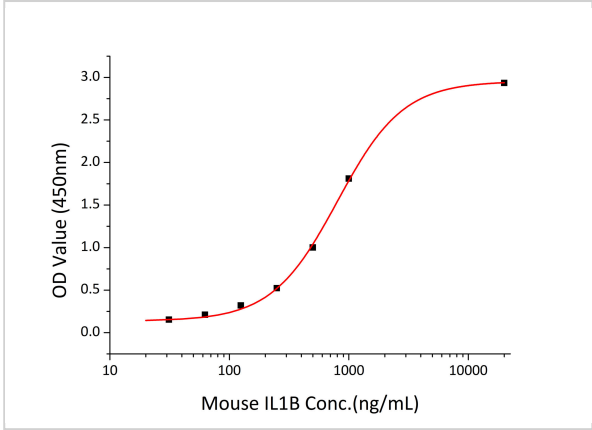
Properties

Purity	≥ 95 % as determined by SDS-PAGE.
Physical State	Lyophilized
Buffer	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
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.



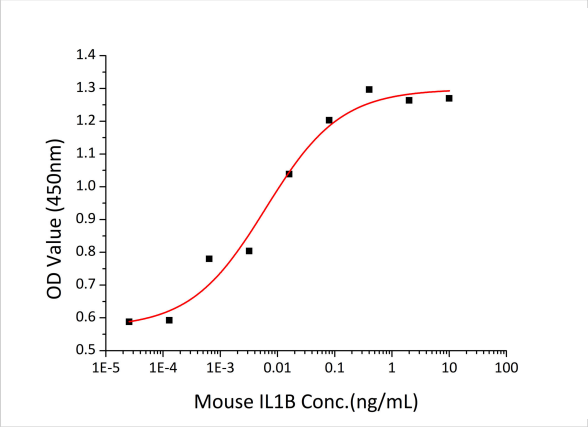
85-401_1

Recombinant Mouse IL-1 beta Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



85-401_2

Immobilized Mouse IL1B at 10 μg/mL (100 μL/well) can bind Human IL1R2 with a linear range of 0.03125-0.8036 μg/mL.



85-401_3

Recombinant Mouse IL-1B promotes the proliferation of D10.G4.1 mouse helper T cells. The ED_{50} for this effect is 3.10-12.40 pg/mL, corresponding to a specific activity of 8.06×10^{7}

Disclaimer

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