

Anti-Mouse IL-1b Antibody (B122)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature
Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-Mouse IL-1b Antibody (B122) is a monoclonal antibody inhibitor targeting mouse IL-1 β . It blocks IL-1 β signaling, thereby reducing monocyte infiltration and alleviating T cell exhaustion, making it useful for studying cancer and cardiovascular diseases. When combined with sulfasalazine, Anti-Mouse IL-1 β Antibody (B122) enhances ferroptosis and reactive oxygen species (ROS) levels.
Targets(IC50)	Ferroptosis,IL Receptor,ROS
In vitro	Anti-Mouse IL-1b Antibody (B122) (50 pM, 6-72 hours) combined with Sulfasalazine significantly inhibits the proliferative activity of tumor cells such as SCC1, A375, and MDA-MB231 [1]. Anti-Mouse IL-1b Antibody (B122) (50 pM, 24 hours) combined with Sulfasalazine downregulates the expression level of intracellular IL-1 β while enhancing the expression of ferroptosis-related markers [1]. Anti-Mouse IL-1b Antibody (B122) (50 pM, 24 hours) combined with Sulfasalazine increases the level of reactive oxygen species in SCC1 cells while reducing the level of glutathione [1].
In vivo	Anti-Mouse IL-1b Antibody (B122) (100 μ g/kg, intratumoral injection, once every 3 days for 4 weeks) combined with Sulfasalazine treatment in male SD rats with oral squamous cell carcinoma (OSCC) can significantly inhibit tumor progression [1]. Anti-Mouse IL-1b Antibody (B122) (1 mg, intratumoral injection, once daily until endpoint) significantly prolongs the survival time of Ntv-a mice with PDGFB overexpression and p53 silencing [2]. Anti-Mouse IL-1b Antibody (B122) (100 μ g, intraperitoneal injection, twice weekly for 2 weeks) can preserve right ventricular function and pulmonary vascular remodeling capacity in HFpEF C57BL/6J mice [3].

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