

ABI793

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	ABI793 is a human IgG1 anti-CD154 (CD40 ligand) monoclonal antibody. It inhibits immune responses by blocking the CD154-CD40 (IC50= 75 nM) signaling pathway. ABI793 is effective in preventing kidney transplant rejection and can be used in research related to immune rejection responses.
Targets(IC50)	TNF
In vitro	ABI793 inhibits the binding of CD154 and CD40 in a concentration-dependent manner, with an IC50 of 75 nM. For four days, ABI793 suppresses IL-4 stimulated B cell proliferation, with an IC50 of 73 nM. Over a period of five days, it also inhibits the human mixed lymphocyte reaction (MLR), with an IC50 of 320 ng/mL.
In vivo	Administering ABI793 (20 mg/kg, intravenously, on postoperative days 0, 1, 4, 11, 18, 28, 56, and 84) significantly extended the survival of transplanted kidneys in crab-eating macaques and effectively prevented transplant rejection. The compound also notably prolonged the survival time of renal transplants in rhesus monkeys.

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