

## Andecaliximab

## Chemical Properties

CAS No. :	1518996-49-0
Formula:	
Molecular Weight:	150 kDa
Storage:	Store at low temperature -20°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Andecaliximab is a recombinant IgG4 monoclonal antibody targeting matrix metalloproteinase 9 (MMP9). Andecaliximab showed antifibrotic effects in a mouse model of idiopathic pulmonary fibrosis. Andecaliximab can be used to study gastric adenocarcinoma and idiopathic pulmonary fibrosis (IPF), as well as dengue virus.
Targets(IC50)	MMP,Virus Protease
In vitro	Andecaliximab increases serum IL-7 levels [ 1 ]. Andecaliximab ( 50 µg / mL ; 24 h ) reduced the phosphorylation of SMAD2 ( pSMAD2 ) in ABC cell lines [ 2 ].
In vivo	Improving the diversity of T cell receptor (TCR) in tumor-infiltrating T cells, andecaliximab[1]. In a human NSG mouse model of idiopathic pulmonary fibrosis, andecaliximab (20 mg/kg; intraperitoneal injection, single) exhibited an anti-fibrosis effect[2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0067 mL	0.0333 mL	0.0667 mL
5 mM	0.0013 mL	0.0067 mL	0.0133 mL
10 mM	0.0007 mL	0.0033 mL	0.0067 mL
50 mM	0.0001 mL	0.0007 mL	0.0013 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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