

Adecatumumab

Chemical Properties

CAS No. :	503605-66-1
Formula:	
Molecular Weight:	147.52 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	Adecatumumab (MT201) is a whole-person IgG1 monoclonal antibody to human EpCAM. Adecatumumab has potential anticancer activity and can be used to study breast cancer.
Targets(IC50)	Others
In vitro	Among human Adecatumumab and murine Adecatumumab, there are diverse kinetic binding activities observed in B16/EpCAM 3E3 cells when treated with Adecatumumab (4 μ M; 18 h)[2]. Adecatumumab (0.1 ng/mL-0.1 mg/mL; 4 h) exhibits dose-dependent activity in Antibody-Dependent Cell-Mediated Cytotoxicity (ADCC) in natural killer (NK) cells[2].
In vivo	In the B16/EpCAM xenograft tumor model in mice, both human adecatumumab and mu-adecatumumab (300 μ g/mouse; i.v. bolus injection; 3 times per week) demonstrate inhibition of tumor growth[2]. Both human adecatumumab and mu-adecatumumab (300 μ g/mouse; i.v. bolus injection; single dose) display a bi-exponential curve progression of serum concentration, characterized by an early distribution phase between 0 and 10 h and a terminal elimination phase[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0339 mL	0.0678 mL
5 mM	0.0014 mL	0.0068 mL	0.0136 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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