

Ontuxizumab

Chemical Properties

CAS No. :	946415-62-9
Formula:	
Molecular Weight:	145 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	Ontuxizumab (MORAb-004) is a potent IgG1/ κ monoclonal antibody targeting endomelanin acid with anti-tumor effects. It specifically targets endothelin (TEM-1 or CD248) and is used for the treatment of metastatic melanoma.
Targets(IC50)	EGFR,Others
In vitro	Ontuxizumab induces internalization of CD248 in a dose-dependent manner, with a reduction of 46% in surface CD248 on human dermal fibroblasts after 12 hours of treatment with concentrations ranging from 0 to 100 μ g/mL[1].
In vivo	In human CD248 knock-in mice, Ontuxizumab demonstrates antitumor effects when administered at a dose of 50 mg/kg via intravenous injection, given five times a day for five consecutive days[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0345 mL	0.069 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 mL
10 mM	0.0007 mL	0.0034 mL	0.0069 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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