

## Amatuximab

## Chemical Properties

CAS No. :	931402-35-6
Formula:	
Molecular Weight:	144.31 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	Amatuximab (MORab-009) is a humanized chimeric IgG1/k monoclonal antibody targeting cell surface mesothelin (MSLN) with antitumor activity for the treatment of solid tumors.
Targets(IC50)	Others,Mesothelin
In vitro	Amatuximab (MORAB-009) is a murine-human chimeric monoclonal antibody with selective affinity for mesothelin (MSLN). In vitro, Amatuximab can induce antibody-dependent cell-mediated cytotoxicity (ADCC) against tumor cell lines expressing mesothelin and inhibit heterotypic cell adhesion between mesothelin-positive tumor cells and tumor cells expressing CA125[1].
In vivo	In tumor xenograft studies, the combination treatment of Amatuximab and chemotherapy significantly reduces the growth of mesothelin-expressing tumors to a greater extent compared to the use of Amatuximab or chemotherapy alone[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0346 mL	0.0693 mL
5 mM	0.0014 mL	0.0069 mL	0.0139 mL
10 mM	0.0007 mL	0.0035 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.

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