

## Monalizumab

## Chemical Properties

CAS No. :	1228763-95-8
Formula:	
Molecular Weight:	147 kDa
Storage:	Store at low temperature
	-20°C for 1 year
	Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Monalizumab is a novel immune checkpoint inhibitor targeting natural killer cell population 2A (NKG2A). Monalizumab is a humanized monoclonal antibody against NKG2A that induces IFN- $\gamma$ production, thereby activating natural killer cell function. Monalizumab has antitumor activity and can be used to study neck squamous cell carcinoma (HNSCC).
Targets(IC50)	Chk,IFNAR
In vitro	Mice were intravenously injected with 200 $\mu$ g of monalizumab, with an interval of 3-4 days, followed by intraperitoneal injection of 200 $\mu$ g of RMP1-14. The results showed that monalizumab and RMP1-14 have synergistic effects in preclinical mouse tumor models[1].
In vivo	Mice were intravenously injected with 200 $\mu$ g of monalizumab, with an interval of 3-4 days, followed by intraperitoneal injection of 200 $\mu$ g of RMP1-14. The results showed that monalizumab and RMP1-14 have synergistic effects in preclinical mouse tumor models[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.034 mL	0.068 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.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481