

## Sifalimumab

## Chemical Properties

CAS No. :	1006877-41-3
Formula:	
Molecular Weight:	144.24 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	Sifalimumab (MEDI-545) is a monoclonal antibody that targets IFN $\alpha$ and suppresses abnormal immune activity by binding to interferon-alpha. Sifalimumab is used for the treatment of moderate to severe SLE.
Targets(IC50)	COX,IFNAR
In vitro	Attenuating lymphocyte cytotoxicity co-cultured with U-87MG, sifalimumab is effective at concentrations ranging from 3 to 36 $\mu$ g/well when applied for 72 hours[1].
In vivo	Treatment with sifalimumab at doses of 30 mg/kg (subcutaneous injection) and 3 $\mu$ g/g demonstrates a therapeutic effect and attenuates lymphocyte infiltration[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0347 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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