

## Veltuzumab

## Chemical Properties

CAS No. : 728917-18-8

Formula:

Molecular Weight: 145.33 kDa

Storage: Store at low temperature  
-20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Veltuzumab (IMMU-106) is a humanized anti-CD20 monoclonal antibody that displays anti-proliferative, apoptotic, and antibody-dependent cytotoxic effects in vitro and inhibits tumor growth in mice harboring human lymphomas, and is indicated for use in non-Hodgkin's lymphoma (NHL).
Targets(IC50)	Immunology/Inflammation related,Integrin
In vitro	Veltuzumab was effective in reducing dissociation rates in human lymphoma cell lines and enhancing complement-dependent cytotoxicity in 1 of 3 cell lines, but did not exhibit other significant in vitro differences. [1] Veltuzumab (0.001-10 µg/mL, 3 hours) had low EC50 values ranging from 0.08-0.09 µg/mL in Daudi cell lines. [1]
In vivo	Veltuzumab (intravenous or subcutaneous; 5, 20, and 60 µg; single dose) achieves control of tumor growth, or removal of circulating and adherent B cells, at low doses in mouse models. [1] Veltuzumab (intraperitoneal; 0.05-35 µg) demonstrated significant efficacy in in vivo studies. [1]

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.0069 mL	0.0344 mL	0.0688 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

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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