

## Intetumumab

## Chemical Properties

CAS No. :	725735-28-4
Formula:	
Molecular Weight:	145.56 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	Intetumumab (CNTO 95) is a fully human anti- $\alpha(v)$ -integrin monoclonal antibody that is a radiosensitizer in xenograft tumor-bearing mice, inhibits tumor growth, and reduces lung metastases in the A549 NSCLC xenograft model.
Targets(IC50)	EGFR,Integrin
In vitro	Intetumumab was able to inhibit integrin-mediated attachment of USPC-ARK-3 cells to the hyaluronan matrix and inhibit serum-induced migration of USPC cells at concentrations ranging from 0 to 5 $\mu$ g/mL and treatment for 20 minutes. [1]
In vivo	Intetumumab administered intraperitoneally at a dose of 10 mg/kg to male nude mice was able to reduce the growth of A549 tumors and inhibit their spontaneous lung metastasis, as well as to reduce the number of mice presenting with lung metastases and the number of metastatic lesions per lung. [2]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0687 mL
5 mM	0.0014 mL	0.0069 mL	0.0137 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.

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