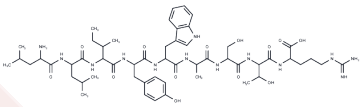
Data Sheet (Cat.No.TP2259)

TargetMol

immunoglobulin light chain variable region fragment [Homo sapiens]/[Mus musculus]

Chemical Properties



CAS No. :

Formula: C54H83N13O13

Molecular Weight: 1122.32

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Immunoglobulin light chain variable region fragment [Homo sapiens]/[Mus musculus] is a fragment on the variable region of the human and mouse immunoglobulin light chain. Immunoglobulins (Ig) are the antigen recognition molecules of B cells. An Ig molecule is made up of 2 identical heavy chains and 2 identical light chains joined by disulfide bonds so that each heavy chain is linked to a light chain and the 2 heavy chains are linked together. On each of the light chains, there is one variable region and a constant region. The variable region is the most important for binding to antigens.
Targets(IC50)	Others
In vitro	The antigen combining site of an antibody is made up of the variable regions of one light chain and one heavy chain. Within the variable regions, typically comprising 105-110 amino acids, some positions show more sequence variation than others. The variable fragments are the smallest fragment made from enzymatic cleavage of IgG and IgM class antibodies.

Solubility Information

Solubility	DMSO: ≥112.2 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.891 mL	4.4551 mL	8.9101 mL
5 mM	0.1782 mL	0.891 mL	1.782 mL
10 mM	0.0891 mL	0.4455 mL	0.891 mL
50 mM	0.0178 mL	0.0891 mL	0.1782 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.

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