

K1-70

## Chemical Properties

CAS No. :

Formula:

Molecular Weight: 143.54 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	K1-70 is a humanized antibody targeting TSHR, used in the study of autoimmune diseases and endocrine disorders.
Targets(IC50)	TSH Receptor
In vitro	K1-70 is the most potent inhibitor of TSH binding to the receptor, producing 97% inhibition as low as 0.1 µg/mL. [1] K1-70 (0.1 µg/ ml-0.5 µg/mL) inhibited the cyclic AMP stimulating activity of M22 IgG (3 ng/mL) in a dose-dependent manner in CHO cells expressing TSHR. [2]
In vivo	K1-70 (100-200 µg) caused serum total and free T4 to decrease to the low levels observed in T3 inhibited rats. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.0348 mL	0.0697 mL
5 mM	0.0014 mL	0.007 mL	0.0139 mL
10 mM	0.0007 mL	0.0035 mL	0.007 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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