

## Anti-CTSS/Cathepsin S Antibody (Fsn0503h)

## Chemical Properties

CAS No. :

Formula:

Molecular Weight: 145.16 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Anti-CTSS/Cathepsin S Antibody (Fsn0503h) is a humanized monoclonal antibody targeting CTSS/Cathepsin S. It reduces the invasive capacity of cell lines expressing Cathepsin S in vitro and exhibits antitumor effects both in vitro and in vivo.
Targets(IC50)	Cysteine Protease
In vitro	Anti-CTSS/Cathepsin S Antibody (Fsn0503h) (1-1000 nM; 24 h) concentration-dependently inhibited Matrigel invasion in four Cat-S-expressing cell lines: MDA-MB-361, CaKi-1, CaKi-2, and U87MG.
In vivo	Anti-CTSS/Cathepsin S Antibody (Fsn0503h) (10-20 mg/kg; intravenous injection; three times weekly) exhibits antitumor activity in a Colo-205 colorectal cancer xenograft mouse model. Although the 10 mg/kg dose demonstrated superior T/C% values compared to the 20 mg/kg dose, no significant difference in tumor reduction was observed between the two doses [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0689 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

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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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