

Antibody Absorption Test by Antigen Peptide

- 1) Add antibody solution and peptide solution into antibody dilution buffer (1 % BSA in PBS).
The ratio of antibody and peptide is 1 mol : 20 mol.
In this case, use deionized water instead of peptides solution as control.
- 2) Incubation with rotating for overnight at 4°C.
Treat the control in parallel.
- 3) Use the treated solutions as primary antibody.

Calculation for step 1).

For example #18134 HGF-beta (H495) Rabbit IgG

Molecular weight of Antigen Peptide for HGF-beta (H495) is 1,847.15.

And we assume the molecular weight of our antibody product is about 150,000

Rate of

Antibody : Peptide

= 1 mol : 20 mol

= 150,000 : 1,847 x 20

= 1 g : 0.24 g

In the case of ;

Starting concentration of antibody solution is 100 µg/mL.

Starting concentration of peptides solution is 100 µg/mL.

Concentration of antibody for use in IHC or W.B. is 5 µg/mL.

If you would like to make 1 mL of solution, please confect them as below.

	Antibody solution (100 µg/mL)	Peptides solution (100 µg/mL)	1 % BSA in PBS
Peptide (+)	50 µL	12 µL	938 µL
Peptide (-)	50 µL	—	950 µL