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.

<table>
<thead>
<tr>
<th></th>
<th>Antibody solution (100 μg/mL)</th>
<th>Peptides solution (100 μg/mL)</th>
<th>1 % BSA in PBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peptide (+)</td>
<td>50 μL</td>
<td>12 μL</td>
<td>938 μL</td>
</tr>
<tr>
<td>Peptide (-)</td>
<td>50 μL</td>
<td>-</td>
<td>950 μL</td>
</tr>
</tbody>
</table>