Overview

Product name: Anti-Human IgM antibody
Description: Chicken polyclonal to Human IgM
Host species: Chicken
Tested applications: Suitable for: WB
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Full length native protein (purified) (Human): IgM from plasma.
Positive control: Human plasma protein

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Constituent: PBS
Purity: Protein L purified
Purification notes: ab26867 is an affinity purified IgY.
Clonality: Polyclonal
Isotype: IgY

Applications

Our Abpromise guarantee covers the use of ab26867 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td>1/500. Detects a band of approximately 75 kDa (predicted molecular weight: 75 kDa).</td>
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IgM normally constitutes about 10% of serum immunoglobulins. IgM antibody is prominent in early immune responses to most antigens and is largely confined to plasma due to its large size. Monomeric IgM is expressed as a membrane bound antibody on the surface of B cells and as a pentamer when secreted by plasma cells. Due to its high valency IgM is more efficient than other isotypes in binding antigens with repeating epitopes (virus particles and red blood cells) and is more efficient than IgG in activating the complement pathway. The gene for the mu constant region contains four domains separated by short intervening sequences. IgM measurement yields information about the body's immediate resistance and response to infection as well as information related to specific diseases. Decreased levels are associated with immune deficiency states, hereditary deficiencies, and myeloma. Increased levels can be associated with Waldenstrom's macroglobulinemia, chronic infection and hepatocellular disease.

Cellular localization
Cell Membrane and Secreted

Images

<table>
<thead>
<tr>
<th>KDa</th>
<th>IgM Heavy Chain</th>
<th>IgM Light Chain</th>
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<tbody>
<tr>
<td>150-</td>
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<td>75-</td>
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Western blot - Anti-Human IgM antibody (ab26867)

Colorimetric method for signal development

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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