Product datasheet

Anti-Ovalbumin antibody [1E7] ab17291

3 References

Overview

Product name          Anti-Ovalbumin antibody [1E7]  
Description           Mouse monoclonal [1E7] to Ovalbumin  
Host species          Mouse  
Tested applications   Suitable for: ELISA, WB  
Species reactivity    Reacts with: Chicken  
Immunogen             Full length native protein (purified) corresponding to Chicken Ovalbumin. Full length native protein (purified), isolated from chicken egg white formaldehyde and lysine treated for 2 weeks at 35°C and then heat denatured by autoclaving for 1 h at 110°C.  
Positive control      ELISA: recombinant 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        pH: 7.40  
                        Preservative: 0.1% Sodium azide  
                        Constituents: 0.0268% PBS, 2.9% Sodium chloride  
Purity                Protein G purified  
Purification notes    Female CF1 x BALB/c mice were immunized i.p. with immunogen adsorbed onto Al(OH)3.  
Clonality             Monoclonal  
Clone number          1E7  
Isotype               IgG2b  
Light chain type      kappa

Applications

Our Abpromise guarantee covers the use of ab17291 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>
</tr>
</thead>
<tbody>
<tr>
<td>ELISA</td>
<td>1/8000. A strong reaction is seen in ELISA, with ovalbumin directly coated onto the microtiter well (1ug/ml) (See Koch et al reference).</td>
<td></td>
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<tr>
<td>WB</td>
<td>1/2000. Detects a band of approximately 45 kDa.</td>
<td></td>
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**Target**

<table>
<thead>
<tr>
<th>Function</th>
<th>Storage protein of egg white. Lack protease inhibitory activity.</th>
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<tbody>
<tr>
<td>Tissue specificity</td>
<td>Major protein of egg white.</td>
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<tr>
<td>Sequence similarities</td>
<td>Belongs to the serpin family. Ov-serpin subfamily.</td>
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<tr>
<td>Post-translational</td>
<td>The signal sequence is not cleaved. The functional signal for membrane translocation of ovalbumin becomes accessible when the nascent chain is 50 to 60 residues long. The hydrophobic sequence which lies between residues 27 and 43 folds back on the preceding residues to form an amphipathic hairpin structure which is the signal element recognized by the membrane.</td>
</tr>
<tr>
<td>modifications</td>
<td></td>
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<tr>
<td>Cellular localization</td>
<td>Secreted.</td>
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