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| **Description** | **Precipitating polyclonal rabbit antiserum to chicken ovalbumin** |
| **Product code** | RACh/OAlb |
| **Biological origin** | Rabbit |
| **Physical form** | Delipidated, heat inactivated, lyophilized, stable whole serum. |
| **Preservative** | No preservative added. |
| **Immunogen** | Highly purified egg albumin (MW 45,000) isolated from chicken egg whites.<br>Freund's complete adjuvant is used in the first step of the immunization procedure. |
| **Identity & Specificity** | A single precipitin line is obtained in immunoelectrophoresis against 1% chicken egg albumin in PBS. In double radial immunodiffusion of the antiserum against twofold dilutions of 1% chicken egg albumin in PBS and in the reverse arrangement of the chicken egg albumin solution against twofold dilutions of the antiserum, a singe precipitin line is obtained. The antiserum does not react with chicken serum. |
| **Cross-reactivity** | Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins, since homologous proteins of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail. |
| **Protein concentration** | Total protein and IgG concentrations in the antiserum are comparable to those of normal pooled rabbit serum. No foreign proteins added. |
| **Antibody titre** | Precipitin titre not less than 1:16 when tested against an 1% solution of chicken egg albumin in agar-block immunodiffusion titration. |
| **Intended use** | In precipitating techniques as immunoelectrophoresis and single and double radial immunodiffusion (Mancini, Ouchterlony) to identify the presence of chicken ovalbumin or to determine its concentration. The presence of non-precipitating antibodies has not been assayed. This does not exclude the use of the antiserum in non-precipitating antibody-binding techniques as ELISA and Western blotting if proper controls are included. |
| **Packing** | Vial with 1 ml lyophilized antiserum. |
| **Storage / shelf life** | Lyophilized at +4°C — at least 10 years<br>reconstituted at or below -20°C — 3-5 years<br>reconstituted at +4°C — 7 days |
| **Handling** | The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum.<br>Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day. |
| **Caution** | This antiserum should be handled by qualified persons only and appropriate precautions should be taken in its handling and disposal, and of all associated materials. For *in vitro* research purposes only. |

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