Polyclonal Rabbit Anti-Human IgE
Code A0094

Intended use
For in vitro diagnostic use. Polyclonal Rabbit Anti-Human IgE, code A0094, is intended for the determination of human IgE in immunohistochemistry. Interpretation of results must be made within the context of the patient’s clinical history and other diagnostic tests by a certified professional.

Reagent provided
Purified immunoglobulin fraction of rabbit antiserum provided in liquid form. In 0.1 mol/L NaCl, 15 mmol/L NaN₃.
Protein concentration g/L: See label on vial.
The titre variation between different lots of A0094 is less than 10%. This is achieved by adjusting the titre of each individual lot to match the titre of an antibody reference preparation kept at -80 °C.

Immunogen
Human IgE.

Specificity
The antibody reacts with the epsilon-chains of human IgE. Traces of contaminating antibodies have been removed by solid-phase absorption with human plasma proteins.
The specificity of the antibody has been ascertained as follows:
Crossed immunoelectrophoresis: No contaminating antibodies are seen when using 12.5 µL antibody per cm² gel area against 2 µL human plasma. Staining: Coomassie Brilliant Blue.

Precautions
1. For professional users.
2. This product contains sodium azide (NaN₃), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
3. As with any product derived from biological sources, proper handling procedures should be used.
4. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
5. Unused solution should be disposed of according to local, State and Federal regulations.

Storage
Store at 2-8 °C. Do not use after expiration date stamped on vial. If reagents are stored under any conditions other than those specified, the user must verify the conditions. There are no obvious signs to indicate instability of this product. Therefore, relevant controls should be run simultaneously with patient specimens. If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the antibody is suspected, contact our Technical Services.

Specimen preparation
Paraffin sections: The antibody can be used for labeling paraffin-embedded tissue sections fixed in formalin. Pre-treatment of tissues with heat-induced epitope retrieval is required. Optimal results are obtained with 10 mmol/L Tris buffer, 1 mmol/L EDTA, pH 9.0 or Dako Target Retrieval Solution, High pH, code S3308. Less optimal results are obtained with Dako Target Retrieval Solution, code S1700, and 10 mmol/L citrate buffer, pH 6.0, and pre-treatment of tissues with proteinase K. The tissue sections should not dry out during the treatment or during the following immunohistochemical staining procedure.

Staining procedure
Dilution: Polyclonal Rabbit Anti-Human IgE, code A0094, may be used at a dilution range of 1:750-1:1500 when applied on formalin-fixed, paraffin-embedded sections of human tonsil and using 20 minutes heat-induced epitope retrieval in 10 mmol/L Tris buffer, 1 mmol/L EDTA, pH 9.0, and 30 minutes incubation at room temperature with the primary antibody. Optimal conditions may vary depending on specimen and preparation method, and should be determined by each individual laboratory. The recommended negative control is Dako Rabbit Immunoglobulin Fraction (Solid-Phase Absorbed), code X0936, diluted to the same protein concentration as the primary antibody. Unless the stability in the actual test system has been established, it is recommended to dilute the product immediately before use or dilute in Dako Antibody Diluent, code S0809.
Visualization: Dako LSAB™+/HRP kit, code K0679, and Dako EnVision™+/HRP kits, codes K4008 and K4010, are recommended. Follow the procedure enclosed with the selected visualization kit.
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