Monoclonal Antibody Anti-Human IgE (Dε2)

PN A40174 – Purified – Freeze-dried – 0.2 mg – Clone E124.2.8

Specify Specific Reagent.
Analytical and performance characteristics are not established.

SPECIFICITY
The anti-IgE E124.2.8 monoclonal antibody (mAb) binds specifically to the Dε2 constant domain of human Immunoglobulin E (IgE) (Dε2 is the heat labile region of IgE).

The anti-IgE mAb binds to circulating IgE as well as to IgE antibodies bound to the low affinity receptor FcεRII (expressed mainly on eosinophils, B lymphocytes), or to the high affinity receptor FcεRI (expressed on mast cells, basophils, monocytes and monocytes-derived cells). The anti-IgE antibody induces the histamine release from basophils (1, 2). However, it is known in the literature information that basophils from 10% to 20% of donors completely fail to release histamine in response to anti-IgE, designated anti-IgE "non releasers" (3-5).

REAGENT
Anti-Human IgE (Dε2)
Unconjugated Antibody
PN A40174 - Purified - Freeze-dried – 0.2 mg

Clone
E124.2.8

Isotype
IgG1 kappa, Mouse

Immunogen
Purified Human IgE kappa saturated anti-IgE (Dε1 site) with monoclonal antibodies

Hybridoma
X63 x balb/c

Source
Ascites fluid or supernatant of in vitro cultured hybridoma cells.

Purification
Affinity chromatography

REAGENT CONTENTS
This antibody is provided in phosphate-buffered saline and 1 mg/mL bovine serum albumin.

STATEMENTS OF WARNING
1. Specimens, samples and all material coming in contact with them should be considered potentially infectious and disposed of with proper precautions.

2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.

3. Do not use antibody beyond the expiration date on the label.

4. Avoid microbial contamination of reagents or incorrect results might occur.

5. Use good laboratory practices when handling this reagent.

6. Any change in the physical appearance of the reagents may indicate deterioration and the reagent should not be used.

STORAGE AND HANDLING CONDITIONS AND STABILITY
This reagent is stable up to the expiration date when stored at 2 – 8°C. Do not freeze. This monoclonal antibody is provided in freeze-dried form and must be reconstituted with 1 mL of distilled water. Bring reagent to 18 – 25°C prior to use. No preservative has been added.

SELECTED RESEARCH REFERENCES


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