

Monoclonal Antibody Anti-Human IgE (D ϵ 2)

PN IM0277 – Purified – Freeze-dried – 0.2 mg – Clone E124.2.8

For Research Use Only. Not for use in diagnostic procedures.

SPECIFICITY

The E124.2.8 antibody recognizes the D ϵ 2 constant region of human IgE. Affinity constant = 2.5×10^9 L / M.

REAGENT

Monoclonal Antibody Anti-Human IgE (D ϵ 2)
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Clone E124.2.8

Isotype IgG1 κ , mouse

Immunogen Purified human IgE kappa saturated anti-IgE (D ϵ 1 site) with monoclonal antibodies

Hybridoma P3-X63-Ag.8 x Balb/c spleen cells

Source Ascites fluid

Purification Ion exchange or affinity chromatography

Buffer 1 mg/mL bovine serum albumin in phosphate-buffered saline

APPLICATION

Detection of mastocytes, polynuclear basophils and cells bearing IgE receptors.

Recommended for induction of histamine release from mast cells and/or basophils.

STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection 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.

STORAGE CONDITIONS AND STABILITY

This freeze-dried form may be stored at 2 – 8°C until the expiration date stated on the vial label.

No preservative has been added.

REAGENT PREPARATION

Depending of usage, reconstitute with 1 mL of distilled water, with or without 0.1% sodium azide (w/v).

The reconstituted form including 0.1% sodium azide may be stored for up to one month at 2 – 8°C.

The reconstituted form without sodium azide can be stored at –20°C or less, until the expiration date stated on the vial label.

In this case, aliquotting is recommended to avoid multiple freezing / thawing cycles.

PROCEDURE

For histamine release, dilute the reconstituted monoclonal antibody in isotonic buffer (without sodium azide) from 1:10 to 1:100,000.

For each application, it is recommended to establish the right range of antibody dilutions to be used for the experiment.

SELECTED RESEARCH REFERENCES

1. Anfosso, F., Demeure, C., Delaage, M., Cheballah, R., Bellot, F. & Bourgois, A. 1987, Molecular Immunology., 24, 1129-1134.

PRODUCT AVAILABILITY

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For additional information in the USA, call 800-526-7694.

Outside the USA, contact your local Beckman Coulter representative.

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