

## Anti-IgE monoclonal antibody

(No. M7-185)

### Principal investigator

**Michal Baniash**

### Principal investigator

**Zelig Eshhar**

Faculty of Biology

Department of Immunology and Regenerative Biology

### Principal investigator

**Tova Waks**

Faculty of Biology

## Summary

**Monoclonal antibodies to IgE** Description: Rat monoclonal anti-IgE antibodies that was generated by fusion of plasmacytoma (84.1C) or myeloma (EM953) cells with splenocytes of rat immunized with purified murine IgE mAb. The antibodies react with various IgE mAb of different specificities and not with immunoglobulins of other classes, and recognize an epitope on the murine Fc epsilon region. Were shown to block IgE interactions and inhibit passive cutaneous anaphylaxis. Clone 84.1c recognizes a site on IgE, which is identical or very close to the binding site. May be used for detection and manipulation of the IgE response in mice.

**Reference:** Schwarzbaum S, Nissim A, [Alkalay I](#) [1], [Ghozi MC](#) [2], [Schindler DG](#) [3], [Bergman Y](#) [4], [Eshhar Z](#) [5]. 1989. Mapping of murine IgE epitopes involved in IgE-Fc epsilon receptor interactions. Eur J Immunol 19(6):1015-23.