

## Datasheet

### IgE monoclonal antibody, clone BE5 (FITC)

**Catalog Number:** MAB4491

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against IgE.

**Clone Name:** BE5

**Immunogen:** Human IgE.

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, Flow Cyt  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Specificity:** This antibody reacts with human IgE; it recognizes an epitope different from the ones recognized by MAB6451 and MAB6452 antibodies to IgE.

**Form:** Liquid

**Conjugation:** FITC

**Concentration:** 0.1 mg/mL

**Isotype:** IgG

**Recommend Usage:** Flow Cytometry (5 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS (0.2% BSA, 0.09% sodium azide)

**Storage Instruction:** Store in the dark at 4°C. Do not freeze.

Avoid prolonged exposure to light.  
Aliquot to avoid repeated freezing and thawing.

#### References:

1. IgE isotype determination: epsilon-germline gene transcription, DNA recombination and B-cell differentiation. Gould HJ, Beavil RL, Vercelli D. Br Med Bull. 2000;56(4):908-24.
2. T cell-dependent differentiation of human B cells into IgM, IgG, IgA, or IgE plasma cells: high rate of antibody production by IgE plasma cells, but limited clonal expansion of IgE precursors. Brinkmann V, Heusser CH. Cell Immunol. 1993 Dec;152(2):323-32.
3. Serological abnormalities in juvenile chronic arthritis: a review of 46 cases. Balogh Z, Meretey K, Falus A, Bozsoky S. Ann Rheum Dis. 1980 Apr;39(2):129-34.