



# Magic™ Anti-Human IgE monoclonal antibody, clone 2B3 [HRP] (DCAB-TJ280)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	Recognizes human IgE.
<b>Immunogen</b>	Chimeric human IgE
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	2B3
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	Protein A affinity chromatography.
<b>Conjugate</b>	HRP
<b>Applications</b>	Suitable for use in ELISA (1:500-1:1000). Each laboratory should determine an optimum working titer for use in its particular application. Prepare working dilution only prior to immediate use. Suitability for use in IHC or Western blot has not been determined. Suggested pair for testing (Capture - Detection): <a href="#">DCAB-TJ281</a> - DCAB-TJ280
<b>Format</b>	Liquid
<b>Concentration</b>	1.0 mg/mL (OD280 nm, E0.1% = 1.4)
<b>Size</b>	0.5 mg
<b>Buffer</b>	PBS

<b>Preservative</b>	None
<b>Storage</b>	Short term (up to 2 weeks) store at 2-8°C. Long term store at -20°C. Avoid multiple freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	Immunoglobulin E (IgE) is a class of antibody (or immunoglobulin (Ig) "isotype") that has been found only in mammals. IgE exists as monomers consisting of two heavy chains (ε chain) and two light chains, with the ε chain containing 4 Ig-like constant domains (Cε1-Cε4). IgE's main function is immunity to parasites such as parasitic worms like <i>Schistosoma mansoni</i> , <i>Trichinella spiralis</i> , and <i>Fasciola hepatica</i> . IgE may also be important during immune defense against certain protozoan parasites such as <i>Plasmodium falciparum</i> .
<b>Keywords</b>	IgE; Immunoglobulin E