

## IgE

**Cat.No. 372 011C2; Monoclonal mouse antibody, 100 µg purified IgG (lyophilized)**

## Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized, fluorescence-labeled with Oyster® 488. Rabbit serum albumin was added for stabilization. For reconstitution add 100 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Either add 1:1 (v/v) glycerol, then aliquot and store at -20°C until use, or store aliquots at -80°C without additives. Reconstitute immediately upon receipt! Avoid bright light when working with the antibody to minimize photo bleaching of the fluorescent dye. The mounting agent Aquatex® (Merck Chemicals) is not compatible with Oyster dyes!
Applications	<b>WB:</b> N/A <b>IP:</b> N/A <b>ICC:</b> 1 : 500 <b>IHC:</b> not tested yet <b>IHC-P/FFPE:</b> not tested yet <b>FACS:</b> yes (see remarks)
Label	Oyster 488
Clone	164G11
Subtype	IgG2a (κ light chain)
Immunogen	Purified human basophile granulocytes.
Reactivity	Reacts with: human. Other species not tested yet.
Specificity	Specific for IgE.
Remarks	<b>FACS:</b> This antibody does not activate basophiles upon binding.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

Immunoglobulin E or **IgE** is the most rare immunoglobulin class in mammalian serum. IgEs mediate immunity against parasites like helminths and protozoa. They also play a major role in type I hypersensitivity in various allergic diseases.

## Selected General References

Helminths, allergic disorders and IgE-mediated immune responses: where do we stand?  
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The biology of IGE and the basis of allergic disease.  
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Evidence for an association between human resistance to Schistosoma mansoni and high anti-larval IgE levels.  
Rihet P, Demeure CE, Bourgois A, Prata A, Dessein AJ  
European journal of immunology (1991) 21(11): 2679-86.