

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 ₂ 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	WB: N/A IP: N/A ICC: 1 : 500 IHC: not tested yet IHC-P/FFPE: not tested yet FACS: 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	FACS: This antibody does not activate basophiles upon binding.

Selected General References

Helminths, allergic disorders and IgE-mediated immune responses: where do we stand?
 Erb KJ
 European journal of immunology (2007) 37(5): 1170-3.

The biology of IgE and the basis of allergic disease.
 Gould HJ, Sutton BJ, Beavil AJ, Beavil RL, McCloskey N, Coker HA, Fear D, Smurthwaite L
 Annual review of immunology (2003) 21: 579-628.

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.

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

Immunglobulin 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.