

IgE

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

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized, biotin-labeled. . For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) (see remarks) IP: not tested yet ICC: 1 : 500 IHC: not tested yet IHC-P/FFPE: not recommended ELISA: yes ; suitable as capture antibody FACS: yes (see remarks)
Label	biotin
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	WB: Unreduced and unboiled samples are recommended. FACS: 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.
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.