Synaptic Systems

Rudolf-Wissell-Str. 28
37079 Göttingen, Germany
Phone: +49 551-50556-0
Fax: +49 551-50556-384
E-mail: sales@sysy.com
Web: www.sysy.com

IgE

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

Data Sheet

Reconstitution/ Storage	100 µg purified IgG, lyophilized. Azide was added before lyophilization. For reconstitution add 100 µl H_2O 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**: 1 : 100 **ELISA**: yes ; suitable as capture antibody **FACS**: yes (see remarks)
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

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.

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.