

IgE

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

Data Sheet

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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |

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.