

SM1814P**Monoclonal Antibody to Human IgE - Purified**

Alternate names:	Immunoglobulin E human
Quantity:	0.5 mg
Concentration:	1.0 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	4C3
Immunogen:	Chimaeric Human IgE.
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein A Buffer System: PBS containing 0.09% Sodium Azide as preservative
Applications:	ELISA: 5 µg/ml as a Captive antibody. This antibody may be used as Capture reagent in ELISA, using SM1815HRP as a detection reagent. Western blotting. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises Human IgE and shows no cross-reactivity to other Human immunoglobulin classes or subclasses. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Bachelet I, Munitz A, Levi-Schaffer F. Abrogation of allergic reactions by a bispecific antibody fragment linking IgE to CD300a. J Allergy Clin Immunol. 2006 Jun;117(6):1314-20. PubMed PMID: 16750992. 2. Jayapal M, Tay HK, Reghunathan R, Zhi L, Chow KK, Rauff M, et al. Genome-wide gene expression profiling of human mast cells stimulated by IgE or FcεpsilonRI- aggregation reveals a complex network of genes involved in inflammatory responses. BMC Genomics. 2006 Aug 16;7:210. PubMed PMID: 16911805.