

Monoclonal Antibody to Fc Epsilon R1 Alpha (FCER1A) -PE

Alternate names:	FCE1A, Fc-epsilon RI-alpha, FcERI, High affinity immunoglobulin epsilon receptor subunit alpha, IgE Fc receptor subunit alpha
Catalog No.:	SM2251RT
Quantity:	25 Tests
Concentration:	0.1 mg/ml
Background:	Fc epsilon R1 consists of four subunits, a high affinity IgE binding alpha subunit, a beta chain and two di-sulphide linked gamma subunits. Fc epsilon R1 is primarily expressed on mast cells and basophils but expression of Fc epsilon R1 has also been reported on monocytes, Langerhans cells and dendritic cells from patients with atopic diseases.
Uniprot ID:	P12319
NCBI:	NP_001992.1
GeneID:	2205
Host / Isotype:	Mouse / IgG2b
Clone:	9E1
Immunogen:	Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0-Ag14 myeloma cell line.
Format:	State: Lyophilized purified IgG fraction. Purification: Affinity Chromatography on Protein G. Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with 1.0 ml distilled water.
Applications:	Flow Cytometry (Neat). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the high affinity Fc receptor for IgE (Fc epsilon R1), which plays a central role in the IgE-mediated allergic response. Clone 9E1 specifically recognises the extracellular D1 domain of the Fc epsilon R1 alpha chain. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted Prior to and following reconstitution at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

- General References:**
1. Vangelista, L. et al. (2002). A minimal receptor-Ig chimera of human Fc epsilon R1 alpha-chain efficiently binds secretory and membrane IgE. *Protein Engineering*. 15: 51-57.
 2. Vangelista, L. et al. (2002) Efficient folding of the Fc epsilonR1 alpha-chain membrane-proximal domain D2 depends on the presence of the N-terminal domain D1. *J. Mol. Biol.*322:815-25.

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