

## Product datasheet for **SM2251R**

### Fc epsilon RI (FCER1A) Mouse Monoclonal Antibody [Clone ID: 9E1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	9E1
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 10 <sup>6</sup> cells in 100 µl.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Spleen cells from immunised Balb/c mice were fused with cells of the Sp2/0-Ag14 myeloma cell line.
Specificity:	This antibody recognizes the high affinity Fc receptor for IgE (Fc epsilon R1), which plays a central role in the IgE-mediated allergic response. Clone 9E1 specifically recognizes the extracellular D1 domain of the Fc epsilon R1 alpha chain.
Formulation:	PBS Label: PE State: Lyophilized purified IgG fraction from Tissue Culture Supernatant Stabilizer: 1% BSA, 5% Sucrose Preservative: 0.09% Sodium Azide Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with distilled water. 1.0 ml for Cat.-No SM2251R or 0.25 ml for Cat.No SM2251RT.
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Store the antibody undiluted Prior to and following reconstitution at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	Fc fragment of IgE receptor Ia



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**Database Link:** [Entrez Gene 2205 Human P12319](#)

**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.

**Synonyms:** IgE Fc receptor subunit alpha, Fc-epsilon RI-alpha, FCE1A, FcERI