

Product datasheet for **TA386260**

Fc ϵ 1a Monoclonal Antibody [Clone ID: Mar-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Mar-1
Applications:	FC, IHC, IP
Reactivity:	Mouse
Clonality:	Monoclonal
Specificity:	This antibody specifically targets the non-signalling alpha chain of the Fc ϵ R1 complex.

This antibody has been used in flow cytometric analysis of Fc ϵ R1 alpha cell surface expression by basophils (Min et al, 2004; Chen et al, 2009), and immunohistochemical analysis of epidermal sheets (Holzmann et al, 2004). It has also been used in immunoprecipitation analysis of cell lysates from lung cDCs and MC/9 mast cells (Grayson et al, 2007). In vitro incubation of basophils with this antibody blocks subsequent MAR-1 staining, but does not activate basophil IL-4 production (Sokol et al, 2008). Intravenous treatment of mice with this antibody results in basophil depletion in peripheral blood, spleen, bone marrow and liver, but not skin or intraperitoneal mast cell depletion (Sokol et al, 2008). Following treatment with this antibody, basophil-depleted mice display impaired Th2 differentiation upon papain immunisation (Sokol et al, 2008). However, MAR-1 treated mice respond normally to high-dose intravenous Ig in both the K/BxN serum transfer arthritis and collagen-induced arthritis models, despite basophil depletion (Campbell et al, 2014).

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	Fc receptor, IgE, high affinity I, alpha polypeptide
Database Link:	Entrez Gene 14125 Mouse P20489
Synonyms:	FCE1A; FcERI



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