



Anti-FCER2A monoclonal antibody, clone B3B4 (CABT-45802RM)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview Rat anti Mouse CD23 antibody, clone B3B4 recognizes murine CD23, the ~49kDa low affinity Fc receptor for IgE (Fc epsilon RII). In the mouse, CD23 is primarily expressed on mature B lymphocytes and follicular dendritic cells. CD23 is known to play an important role in IgE binding but reports suggest that CD23 may also be involved in B-cell proliferation and differentiation. Rat anti Mouse CD23 antibody, clone B3B4 is reported to block the binding of IgE to Fc epsilon RII. Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

Specificity	FCER2A
Immunogen	Fc epsilon R isolated from the 01.2B2 mouse B cell hybridoma.
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	B3B4
Conjugate	Unconjugated
Applications	FC, IP, BL, IHC-F
Format	Purified IgG - liquid
Size	500 µg
Preservative	See individual product datasheet
Storage	-20°C for long term storage.

GENE INFORMATION

Gene Name	Fcer2a Fc receptor, IgE, low affinity II, alpha polypeptide [Mus musculus (house mouse)]
Official Symbol	FCER2A
Synonyms	FCER2A; Fc receptor, IgE, low affinity II, alpha polypeptide; CD23; Fce2; Fcer2; Ly-42; low affinity immunoglobulin epsilon Fc receptor; FC epsilon RII; fc-epsilon-RII; lymphocyte IgE receptor; low-affinity IgE receptor;
Entrez Gene ID	14128
Protein Refseq	NP_001240666
UniProt ID	P20693
Chromosome Location	8 A1; 8 1.92 cM
Pathway	Epstein-Barr virus infection; Hematopoietic cell lineage; IL-3 Signaling Pathway;
Function	IgE binding; carbohydrate binding; metal ion binding;