

Product datasheet for **CF801830**

CD23 (FCER2) Mouse Monoclonal Antibody [Clone ID: OTI9B6]

Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI9B6 |
| Applications: | FC, WB |
| Recommended Dilution: | WB 1:2000 |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG2b |
| Clonality: | Monoclonal |
| Immunogen: | Human recombinant protein fragment corresponding to amino acids 48-321 of human FCER2 (NP_001993) produced in SF9 cell. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 36.3 kDa |
| Gene Name: | Fc fragment of IgE receptor II |
| Database Link: | NP_001993 Entrez Gene 2208 Human P06734 |



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Background:

The protein encoded by this gene is a B-cell specific antigen, and a low-affinity receptor for IgE. It has essential roles in B cell growth and differentiation, and the regulation of IgE production. This protein also exists as a soluble secreted form, then functioning as a potent mitogenic growth factor. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul

Synonyms:

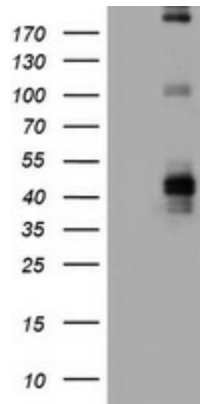
BLAST-2; CD23; CD23A; CLEC4J; FCE2; IGEBF

Protein Families:

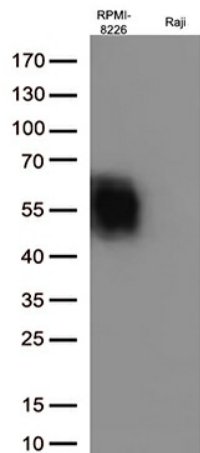
Secreted Protein, Transmembrane

Protein Pathways:

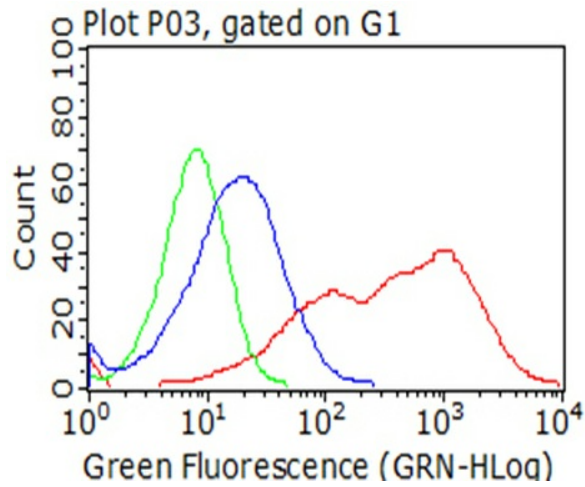
Hematopoietic cell lineage

Product images:


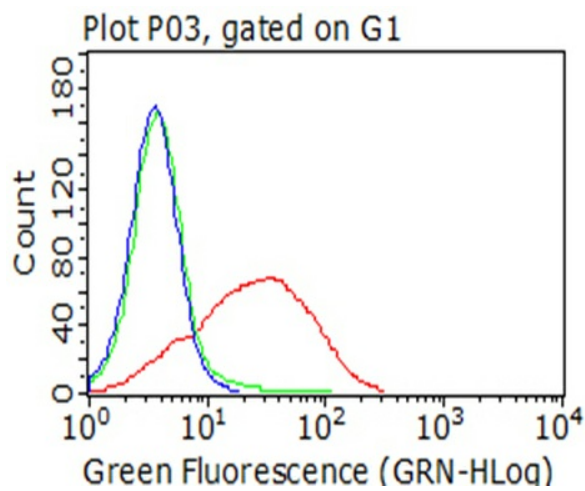
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FCER2 ([RC204335], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FCER2 (1:2000).



Western blot analysis of extracts (35ug) from 2 cell lines lysates by using anti-FCER2 monoclonal antibody (1:500).



Flow cytometric analysis of living 293T cells transfected with FCER2 overexpression plasmid ([RC204335], Red)/empty vector ([PS100001], Blue) using anti-FCER2 antibody ([TA801830]). Cells incubated with a non-specific antibody (Green) were used as isotype control (1:100).



Flow cytometric analysis of living RPMI-8226 cells, using anti-FCER2 antibody ([TA801830], Red), compared to an isotype control (green), and a PBS control (blue) (1:100).