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Product datasheet for TA801531M

CD23 (FCER2) Mouse Monoclonal Antibody [Clone ID: OTI2B6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2B6
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 48-321 of human FCER2 (NP_001993) produced in SF9 cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
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
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

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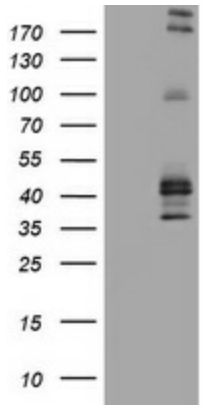
Synonyms: BLAST-2; CD23; CD23A; CLEC4J; FCE2; IGEBF

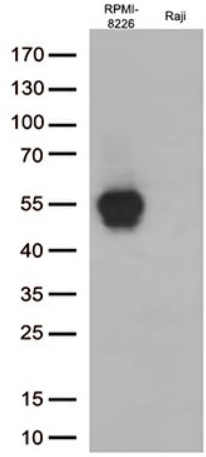
Protein Families: Secreted Protein, Transmembrane

Protein Pathways: Hematopoietic cell lineage

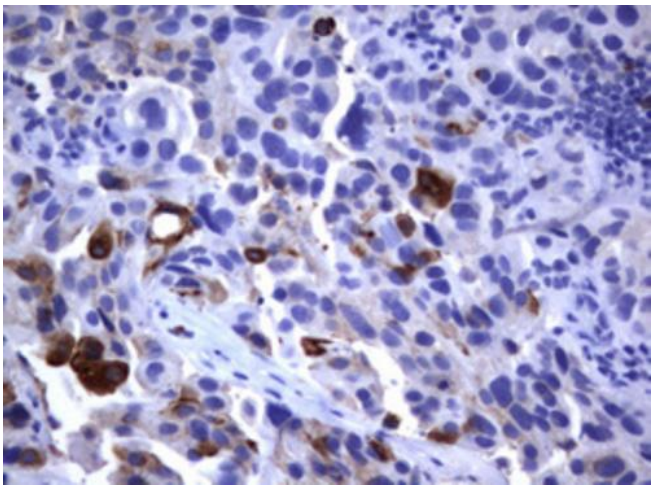
Product images:



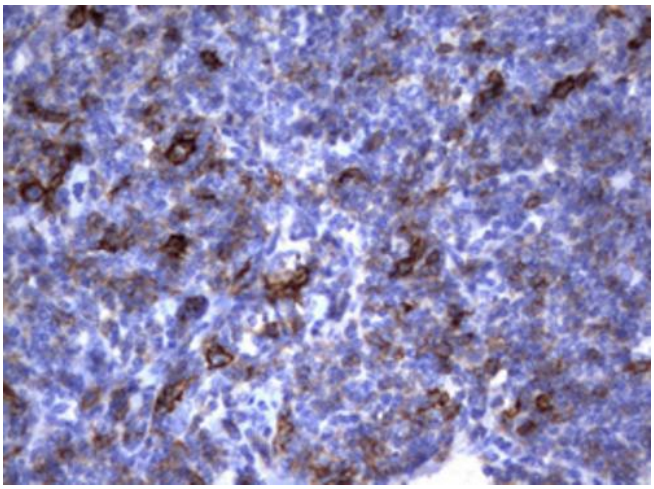
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FCER2 (Cat# [RC204335], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FCER2 (Cat# [TA801531])(1:2000).



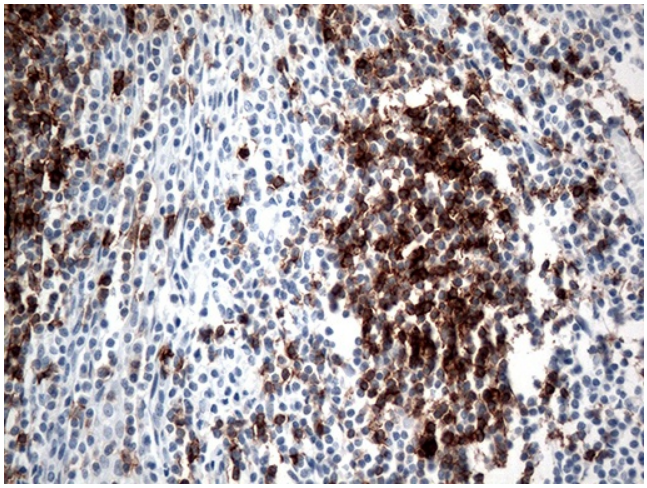
Western blot analysis of extracts (35ug) from 2 cell lines lysates by using anti-FCER2 monoclonal antibody (1:500).



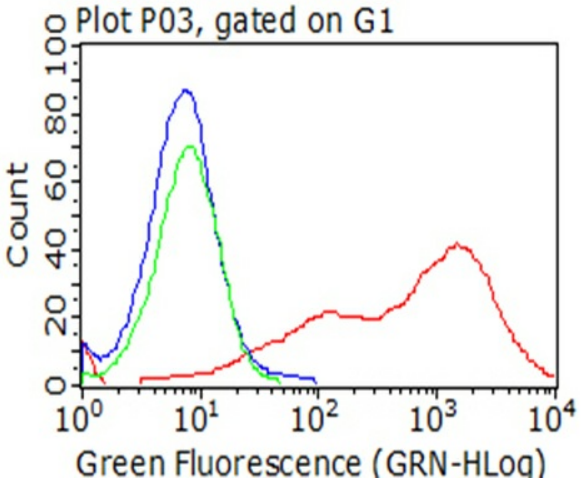
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-FCER2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



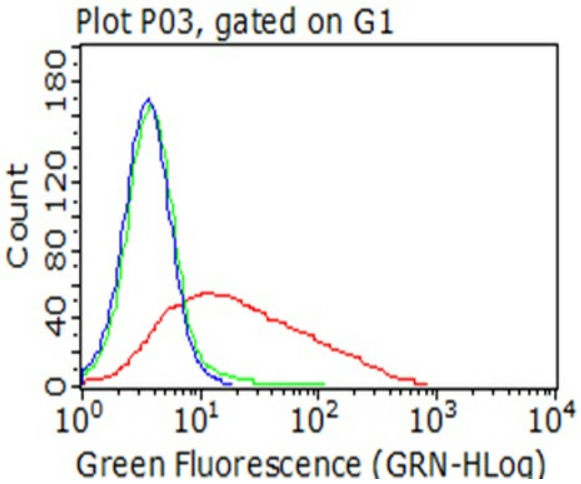
Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-FCER2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-FCER2 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Flow cytometric analysis of living 293T cells transfected with FCER2 overexpression plasmid ([RC204335]), Red)/empty vector ([PS100001], Blue) using anti-FCER2 antibody ([TA801531]). 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 ([TA801531], Red), compared to an isotype control (green), and a PBS control (blue) (1:100).