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[Marker Primary Antibody]

Rabbit Anti-FCRL3/Biotin Conjugated antibody

Catalog Number: SL16066R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-FCRL3/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human FCRL3
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:50-200 IF=1:100-500 ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human)
Background:	background: This gene encodes a member of the immunoglobulin receptor superfamily and is one of several Fc receptor-like glycoproteins clustered on the long arm of chromosome 1. The encoded protein contains immunoreceptor-tyrosine activation motifs and immunoreceptor-tyrosine inhibitory motifs in its cytoplasmic domain and may play a role in regulation of the immune system. Mutations in this gene have been associated with rheumatoid arthritis, autoimmune thyroid disease, and systemic lupus erythematosus. [provided by RefSeq, Jul 2008] **Subcellular Location:** Cell membrane. **Tissue Specificity:** Primarily expressed in secondary lymphoid tissues by mature subsets of B cells. Detected in spleen, lymph node, peripheral blood

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	lymphocytes, thymus, bone marrow, kidney, salivary gland, adrenal gland and uterus. Expressed a low levels in naive, germinal center and memory B cells but also expressed in NK cells (at protein level). **Post-translational modifications:** Phosphorylated on cytoplasmic tyrosines; required for interaction with protein tyrosine phosphatases and protein tyrosine kinases. DISEASE: Genetic variation in FCRL3 may be a cause of susceptibility to rheumatoid arthritis (RA) [MIM:180300]. It is a systemic inflammatory disease with autoimmune features and a complex genetic component. It primarily affects the joints and is characterized by inflammatory changes in the synovial membranes and articular structures, widespread fibrinoid degeneration of the collagen fibers in mesenchymal tissues, and by atrophy and rarefaction of bony structures. Genetic variation in FCRL3 may influence susceptibility to Graves disease, an autoimmune disorder associated with overactivity of the thyroid gland and hyperthyroidism. **Similarity:** Contains 6 Ig-like C2-type (immunoglobulin-like) domains. **Database links:** **Entrez Gene:** 115352 Human Omim: 606510 Human **SwissProt:** Q96P31 Human **Unigene:** 292449 Human Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.