



Mouse Anti-FCRL5 monoclonal antibody, clone G67 (CABT-RM142)

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

PRODUCT INFORMATION

Specificity	Detects human Fc receptor-like protein 5. It targets an epitope with in the extracellular domain.
Target	FCRL5
Immunogen	Full-length FcRH5 expression plasmid followed by a boost with 293T cells transfected with FcRH5 plasmid.
Isotype	IgG1, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	G67
Purification	Protein G purified
Conjugate	unconjugated
Applications	ELISA, FC, ICC, WB
Epitope	extracellular domain
Molecular Weight	106.44 kDa calculated.
Format	Liquid
Size	100 µl
Buffer	0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl

Preservative	0.05% sodium azide
Storage	Stable for 1 year at 2-8°C from date of receipt.

BACKGROUND

Introduction	Fc receptor-like protein 5 is encoded by the FCRL5 gene in human. FcRH5 is a single-pass type I membrane protein that is expressed in marginal zone B-cells, immunoblasts, tonsillar germinal center centrocytes and in the intraepithelial and interfollicular regions of the tonsil. It is involved in B-cell development and differentiation in peripheral lymphoid organs and may be useful markers of B-cell stages. It is shown to regulate BCR signaling and binds aggregated IgG and engages several of its Ig-domains to bind IgG. It is shown to be overexpressed in many lymphoma cell lines and on hairy cell leukemia cells. Serum levels of soluble FcRH5 are reported to be elevated in patients with several types of B cell tumors. FcRH5 is synthesized with a signal peptide (aa 1-15), which is cleaved off in the mature form that has a long extracellular domain (aa 16-851), a short transmembrane domain (aa 852-872), and a cytoplasmic tail (aa 873-977) that contains immunoreceptor tyrosine-based inhibitor motifs (ITIM).
Keywords	FCRL5; Fc receptor-like 5; CD307; FCRH5; IRTA2; BXMAS1; CD307e; PRO820; Fc receptor-like protein 5; fcR-like protein 5; fc receptor homolog 5; immune receptor translocation-associated protein 2; immunoglobulin superfamily receptor translocation associated 2 (IRTA2); anti-IRTA2

GENE INFORMATION

Entrez Gene ID	83416
UniProt ID	Q96RD9