



Anti-AICDA monoclonal antibody, clone EK2-5G9 (CABT-52579RH)

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

PRODUCT INFORMATION

Product Overview This product specifically recognizes human AID (Activation-induced cytidine deaminase), a 24kDa RNA-editing enzyme essential for the initiation of immunoglobulin class switch recombination (CSR), somatic hypermutation (SHM) and gene conversion (GC). Studies suggest that AID is selectively expressed by germinal centre (GC) B cells and B cell-derived lymphomas, and that a deficiency in AID is responsible for the autosomal recessive form of the immunodeficient condition Hyper-IgM syndrome. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Specificity	AICDA
Immunogen	Synthetic peptide corresponding to amino acids 185-198 of human AID.
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Human
Clone	EK2-5G9
Conjugate	Unconjugated
Applications	ELISA; FC; IHC-P; WB
Format	Purified IgG - liquid
Size	50 µg
Preservative	0.09% Sodium Azide
Storage	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may

denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	AICDA activation-induced cytidine deaminase [Homo sapiens (human)]
Official Symbol	AICDA
Synonyms	AICDA; activation-induced cytidine deaminase; AID; ARP2; CDA2; HIGM2; HEL-S-284; single-stranded DNA cytosine deaminase; cytidine aminohydrolase; epididymis secretory protein Li 284; integrated into Burkitts lymphoma cell line Ramos;
Entrez Gene ID	57379
Protein Refseq	NP_065712
UniProt ID	Q9GZX7
Chromosome Location	12p13
Pathway	IL4-mediated signaling events; Intestinal immune network for IgA production; Primary immunodeficiency;
Function	cytidine deaminase activity; protein binding; ubiquitin protein ligase binding; zinc ion binding;