



Anti-AICDA monoclonal antibody, clone 2D3 (CABT-52577MH)

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

PRODUCT INFORMATION

Product Overview

Mouse anti Human AID, clone 2D3 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. AID is selectively expressed by germinal centre 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. Western Blotting detects a band of approximately 24 kDa in HepG2 and Ramos cell lysates.

Specificity	AICDA
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2D3
Conjugate	Unconjugated
Applications	ELISA; WB
Format	Purified IgG - liquid
Size	100 µg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. 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;