

Mouse Monoclonal Antibody to RAG2

Catalogue Number	sAP-0384
Target Molecule	Name: RAG2 Aliases: RAG-2; RAG2 MW: 59kDa Entrez Gene ID: 5897
Description	This gene encodes a protein that is involved in the initiation of V(D)J recombination during B and T cell development. This protein forms a complex with the product of the adjacent recombination activating gene 1, and this complex can form double-strand breaks by cleaving DNA at conserved recombination signal sequences. The recombination activating gene 1 component is thought to contain most of the catalytic activity, while the N-terminal of the recombination activating gene 2 component is thought to form a six-bladed propeller in the active core that serves as a binding scaffold for the tight association of the complex with DNA. A C-terminal plant homeodomain finger-like motif in this protein is necessary for interactions with chromatin components, specifically with histone H3 that is trimethylated at lysine 4. Mutations in this gene
Immunogen	Purified recombinant fragment of human RAG2(350-527aa) expressed in E. Coli.
Recombinant Species	Human
Clone	MM4D5;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ;
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Biol Chem. 2004 Sep 10;279(37):38360-8. ; 2. Immunity. 2005 Aug;23(2):203-12. ; 3. J Clin Invest. 2010 Apr 1;120(4):1337-44. doi: 10.1172/JCI41305.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**