

Mouse Monoclonal Antibody to KARS

Catalogue Number	sAP-0195
Target Molecule	Name: KARS Aliases: KRS; KARS2; KIAA0070 MW: N/A Entrez Gene ID: 3735
Description	KARS: Lysyl-tRNA synthetase. Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Lysyl-tRNA synthetase is a homodimer localized to the cytoplasm which belongs to the class II family of tRNA synthetases. It has been shown to be a target of autoantibodies in the human autoimmune diseases, polymyositis or dermatomyositis.
Immunogen	Purified recombinant fragment of KARS(aa90-174) expressed in E. Coli. ;
Reactive Species	Human
Clone	MM8G12C1;
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; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Biol Chem. 2000 Nov 10;275(45):35063-9. ; 2. J Virol. 2001 Jun;75(11):5043-8. ; 3. Biochem Biophys Res Commun. 2002 Feb 15;291(1):158-64. ; 4. Cell. 2004 Oct 15;119(2):195-208.

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**