

BM1262S**Monoclonal Antibody to Rabies Virus - Purified**

Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	Rabies virus (Neurotropic lyssavirus) is a member of the Rhabdoviridae family. Rabies is a single stranded, neurotropic, negative sense RNA virus which encodes 5 proteins: a glycoprotein, a nucleoprotein, and three others. The mature virus has a bullet shape, a protein coat, and a lipid envelope. The outer surface of the virus is covered with thumblike glycoprotein projections 5-10 nm long and 3 nm in diameter. The virus averages approximately 780 nm in length. Virus infectivity is destroyed by lipid solvents. Rabies virus is a very successful virus, with a very wide range of hosts. It causes an acute, central nervous system infection, characterized by CNS irritation, followed by paralysis and death. Approximately 50,000 human deaths each year are caused by rabies.
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	Rab-50
Immunogen:	Rabies Virus of the SAD-Vnukovo strain. Splenocytes were fused with NS-0 cells.
Format:	State: Liquid purified Ig fraction Buffer System: PBS Preservatives: 0.05% Sodium Azide
Applications:	ELISA: 1/50. Western Blot. Blocking: <i>Rab-50</i> neutralizes Rabies Virus. Immunohistochemistry on Frozen Sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This Rabies Virus Antibody clone <i>Rab-50</i> reacts with some specific Rabies Virus strains of vascular type from Eastern Europe.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Máciková I, Dedek L, Vrzal V, Kontseková E, Kontsek P, Ciampor F, et al. Common and different antigenic properties of the rabies virus glycoprotein of strains SAD-Vnukovo and Pitman-Moore. <i>Acta Virol.</i> 1992 Dec;36(6):541-50. PubMed PMID: 1284868. 2. Li C, Zhang F, Lin H, Wang ZC, Liu XJ, Feng ZQ, et al. Generation and characterization of the human neutralizing antibody fragment Fab091 against rabies virus. <i>Acta Pharmacol Sin.</i> 2011 Mar;32(3):329-37. doi: 10.1038/aps.2010.209. Epub 2011 Jan 31.