

Product datasheet for **BM1262**

Rabies Virus Mouse Monoclonal Antibody [Clone ID: Rab-50]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Rab-50
Applications:	ELISA, FN, IF, WB
Recommended Dilution:	ELISA. Immunofluorescence. Functional Assays. Western Blotting.
Reactivity:	Rabies Lyssavirus
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified virions of SAD-Vnukova strain followed by Pitman-Moore strain. Spleen cells from immunised Balb/c female mice were fused with cells of the NSO myeloma cell line.
Specificity:	This Rabies Virus Antibody clone <i>Rab-50</i> shows conformation dependent specificity for the viral envelope glycoprotein. Not known to react with any other organism.
Formulation:	PBS State: Purified State: Liquid Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Fractionation
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.



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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.