

12-8503: Anti-Rabies Virus Monoclonal Antibody (Clone: RV1C5)

Clonality :	Monoclonal
Clone Name :	1C5
Application :	ELISA,IHC,IF
Gene :	Russian rabies vaccine strain Vnukovo-32
Uniprot ID :	Q08089
Format :	Purified
Isotype :	Mouse IgG2a
Immunogen Information :	Purified rabies virus, Russian vaccine strain Vnukovo 32

Description

Specificity: his antibody recognizes rabies virus glycoprotein (UniProtKB Q08089) and neutralizes the following strains of rabies virus: CVS, Flury Lep, Flury HEP, Mokola 1, Mokola 2, Lagos bat, Duvenhage, and field isolates.

Rabies is a zoonotic infectious disease of the central nervous system. In unvaccinated or untreated subjects, rabies virus infection causes severe neurological symptoms and is usually fatal. Rabies virus has a bullet-shaped, enveloped virion with a negative-sense single-stranded RNA genome that encodes five viral proteins: nucleoprotein, phosphoprotein, matrix protein, glycoprotein, and RNA-dependent RNA polymerase. The virus attaches to its cellular targets by the surface glycoprotein (RABV-G), rapidly gains access to peripheral nerves, and ultimately reaches the brain. Transport of the enveloped virus within nerve cells and neuronal transport vesicles impedes clearance by humoral or cellular immunity.

Product Info

Amount :	200 µg
Purification :	Purified by Protein G affinity chromatography
Content :	Formulation: PBS, pH 7.4, 0.09% sodium azide.
Storage condition :	This antibody is stable for at least one (1) year at 4°C.

Application Note

ELISA Immunofluorescence

Immunohistochemistry Customer confirmed that #20501 works on formalin-fixed tissues with protease pre-treatment

Immunoblotting Customer confirmed that #20501 detects viral glycoprotein in Western blot.

End users should determine optimal antibody concentrations for their applications.