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English & Scientific Consulting Kft., also known as SCICONS, is the exclusive manufacturer and worldwide distributor of J2, K1, K2 and J5 -- four mouse monoclonal antibodies that bind to double-stranded RNA molecules.

Headquartered in Hungary, SCICONS has customers in over 40 countries and more than half of the 50 states in the United States. Our customers include researchers at many internationally renowned research institutes and biotech companies, and the use of SCICONS' anti-dsRNA antibodies is documented by over 350 scientific articles (<https://scicons.eu/en/publications/>).

The hybridoma cell lines which produce SCICONS' anti-dsRNA monoclonal antibodies were created in 1988, and first described in a publication by Schönborn et al. in 1991. SCICONS began distributing anti-dsRNA monoclonal antibodies J2, K1 and K2 worldwide in 2005, and J5 in 2015. The three IgG monoclonal antibodies J2, K1 and J5 are supplied in lyophilised form to allow worldwide shipping without the need for cooling. The IgM monoclonal K2 is currently only sold as hybridoma supernatant which is stored frozen and shipped on ice.

SCICONS' anti-dsRNA antibodies are mainly used by virologists to investigate the intracellular biology (location, interaction with host factors) of positive strand RNA viruses infecting humans such as Dengue, Hepatitis C, Chikungunya, SARS-CoV and Zika. But they are also used to investigate diverse animal viruses and plant viruses and viruses affecting the pathogenicity of disease-causing human protozoan parasites.

Two developing areas of research are their use by pathologists to provide evidence for unknown viruses as ethological agents in chronic human disease and by molecular biologists to characterize the role of dsRNA (dsRNAome) in the regulation of gene expression.

Last but not least, SCICONS' anti-dsRNA mAbs are used in biotechnology research to monitor the purity of synthetic RNAs being developed as therapeutic agents.