



# Magic™ Mouse Anti-USUV NS1 Monoclonal antibody, clone 736H06 (CABT-RM264)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |                                                                           |
|---------------------------|---------------------------------------------------------------------------|
| <b>Specificity</b>        | Usutu Virus. No cross-reactivity with other Flaviviruses                  |
| <b>Target</b>             | USUV NS1                                                                  |
| <b>Immunogen</b>          | Recombinant Antigen (Vienna 2001)                                         |
| <b>Isotype</b>            | IgG2b                                                                     |
| <b>Source/Host</b>        | Mouse                                                                     |
| <b>Species Reactivity</b> | USUV                                                                      |
| <b>Clone</b>              | 736H06                                                                    |
| <b>Purification</b>       | Ion Exchange Purified,>90%                                                |
| <b>Conjugate</b>          | unconjugated                                                              |
| <b>Applications</b>       | ELISA (cap), LFIA                                                         |
| <b>Format</b>             | Liquid                                                                    |
| <b>Size</b>               | 1 mg                                                                      |
| <b>Buffer</b>             | 0.015M Potassium Phosphate Buffer, pH 7.2 with 0.85% Sodium Chloride      |
| <b>Preservative</b>       | 0.05% Sodium Azide                                                        |
| <b>Storage</b>            | Short Term: 2-8°C. Long Term: -20°C. Avoid repeated freezing and thawing. |
| <b>Ship</b>               | Cold Packs                                                                |

# BACKGROUND

**Introduction** Usutu virus is an emerging disease that is spread by Culex mosquitoes to wild birds (Blackbird pictured above) or bats which act as amplifying hosts, and to humans which act as accidental or dead-end hosts. The virus was first described in 1959 in South Africa, and has spread to Europe in or before 1996. In 2009 the first case of neuroinvasive Usutu virus infection was described in a 60-year old woman in Italy. More neuroinvasive infections caused by Usutu virus were described in a Croatian study in 2013. There is no vaccine or specific treatment available for Usutu virus.

**Keywords** Usutu Virus non-structural 1 protein; Usutu Virus Nonstructural Protein 1;USUV-NS1; USUV; Usutu Virus; USUV NS1; NS1