



# Mouse Anti-Schmallenberg orthobunyavirus (NSm) Monoclonal Antibody, clone 3D6D4D (CABT-Z901M)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Recombinant NSm Protein of SBV
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	SBV
<b>Clone</b>	3D6D4D
<b>Purification</b>	Unpurified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, IF
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	1 ml
<b>Preservative</b>	None
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
<b>Ship</b>	Wet ice

## BACKGROUND

**Introduction**

Schmallenberg orthobunyavirus, also called Schmallenberg virus, abbreviated SBV, is a virus that causes congenital malformations and stillbirths in cattle, sheep, goats, and possibly alpaca. The genetic structure of Schmallenberg virus is typical for Bunyavirales viruses, which are a family of enveloped negative-sense single stranded RNA viruses with a genome split into three parts—Small (S), Medium (M) and Large (L). The L RNA segment encodes an RNA-dependent RNA polymerase (L protein), the M RNA segment encodes two surface glycoproteins (Gc and Gn) and a nonstructural protein (NSm), while the S RNA segment encodes a nucleocapsid protein (N) and, in an alternative overlapping reading frame, a second nonstructural protein (NSs).

**Keywords**

Schmallenberg orthobunyavirus;Schmallenberg virus;SBV