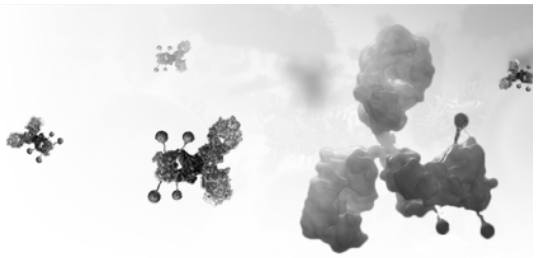

Magic™ Hamster Anti-MMTV SAg Monoclonal antibody, clone VS1-2.8 (CABT-ZS1023)

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

PRODUCT INFORMATION

Specificity	VS1-2.8 against all Mtv-7 superantigens that specifically recognizes the immediate amino terminus of mouse mammary tumor virus superantigens
Target	MMTV SAg
Isotype	IgG
Source/Host	Hamster
Species Reactivity	MMTV
Clone	VS1-2.8
Conjugate	unconjugated
Applications	IP
Format	Liquid
Size	100 µg
Buffer	PBS
Preservative	None
Storage	4°C for short term (1 week), store at -20°C to -80°C for long term(1 year); Avoid repeated freeze-thaw cycles

BACKGROUND

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Introduction	Mouse mammary tumor virus (MMTV) is a virus that induces breast cancer in mice. During lactation, MMTV can transmit from mother to offspring through milk, and Peyer's patches (PPs) in mouse intestine are the first and specific target organ. MMTV can be transported into PPs by microfold cells and then activate antigen-presenting cells (APCs) by directly binding with Toll-like receptors (TLRs) whereas infect them through mouse transferrin receptor 1 (mTfR1). After being endocytosed, MMTV is reversely transcribed and the cDNA inserts into the host genome. Superantigen (SAg) expressed by provirus is presented by APCs to cognate CD4+ T cells via MHCII molecules to induce SAg response, which leads to substantial proliferation and recruitment of related immune cells.
Keywords	Mouse mammary tumor virus; MMTV; MMTV SAg; MMTV Superantigen

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