

**CERTIFICATE OF ANALYSIS**

# CAEP5A1

Monoclonal Antibody

Catalog No.:	CAEP5A1
Lot:	P140512-001
Isotype:	IgG <sub>1</sub>
Expiration:	1 year when stored at 2-7°C

**Specificity:**

Caprine Arthritis Encephalitis Virus (CAEV) MAb Ascites CAEV-63, CAEV-Co, VV, OPPV IgG<sub>1</sub> Isotype.

**Known Applications:**

Immunoprecipitation and immunofluorescence.

**Description:**

This monoclonal antibody is produced as mouse ascites fluid, clarified by centrifugation, and filtered through a 0.2

µm filter. The antibody concentration is 1.0 mg/ml, in phosphate-buffered saline (PBS), stabilized with 4 mg/ml bovine serum albumin (BSA), and preserved with 0.09% sodium azide (NaN<sub>3</sub>).

**Quality Control Method:**

IFA using CAEV in house 12-well slide, isotype control IgG<sub>1</sub>, and anti-murine IgG FITC affinity purified conjugate (catalog no. CJ-F-MURG-AP-1ML or 10ML). Mouse immunoglobulins IgG<sub>1</sub> kit.

**Specific Reaction:** 2-4+ fluorescence at 10 µg/ml with an endpoint concentration less than 0.1 µg/ml. The RID test results showed a concentration of 1.052 mg/ml.

**Other Comments:** NA

**Pattern Of Fluorescence:**

Dusty and particulate cytoplasmic fluorescence of multinucleated and single cells.

**Storage:**

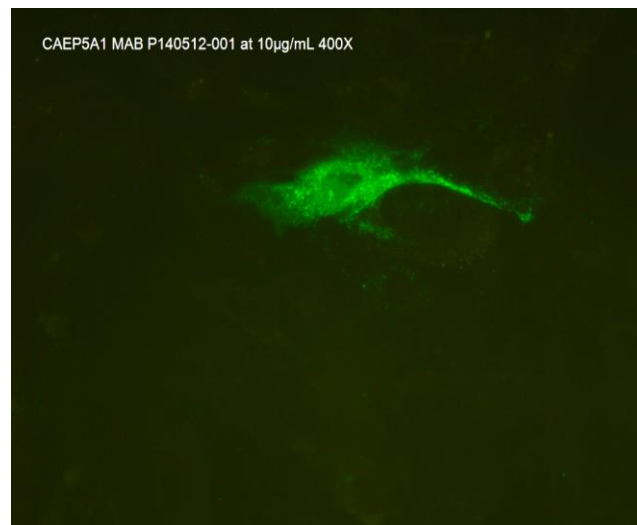
This monoclonal antibody is provided in liquid from and should be stored at 2-7°C. DO NOT FREEZE!

**References:**

McGuire, T.C., et al. Antigenic and structural variation of the p28 core polypeptide of goat and sheep retroviruses. J. Gen. Virol. 68(8):2259-2263 (Aug. 1987).

Cell Line	Ig Isotype	p28 Capsid Protein Reactivity				
		CAEV-63	CAEV-Co	VV*	OPPV*	Control
CAEP5A1	IgG <sub>1</sub>	+	+	+	+	-
CAEP10A1	IgG <sub>1</sub>	+	+	+	-	-
CAEP8B1	IgG <sub>1</sub>	+	+	+	-	-
CAEP13B1	IgG <sub>1</sub>	+	+	-	-	-
CAEP12A1	IgG <sub>1</sub>	+	-	-	-	-

\*VV = Visna Virus; OPPV = Ovine Progressive Pneumonia Virus.



FOR IN VITRO LABORATORY USE ONLY.

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02 June 2014