



# Anti-CDV Surface Antigen Monoclonal antibody, Clone A6-5 (DMAB3098)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Monoclonal Antibody to Canine Distemper Virus (CDV), Surface Envelope Antigen
<b>Antigen Description</b>	Canine distemper is a viral disease that affects animals in the families Canidae, Mustelidae, Mephitidae, Hyaenidae, Ailuridae, Procyonidae, Pinnipedia, some Viverridae and Felidae (though not domestic cats; feline distemper or panleukopenia is a different virus exclusive to cats). It is most commonly associated with domestic animals such as dogs and ferrets, although it can infect wild animals as well. It is a single-stranded RNA virus of the family paramyxovirus, and thus a close relative of measles and rinderpest. Despite extensive vaccination in many regions, it remains a major disease of dogs.
<b>Specificity</b>	Specific for surface envelope antigen of CDV.
<b>Target</b>	CDV Surface Antigen
<b>Immunogen</b>	Purified Canine Distemper Virus envelope protein
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	CDV
<b>Clone</b>	A6-5
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	>90% pure (SDS-PAGE). Protein A chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA, lateral flow assay and plaque-linked assay. Each laboratory should

determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended antibody pair for sandwich immunoassay:

Capture Detection

C86504M C86801M

Suggested pair for testing (Capture - Detection): DMAB3098 - [DMAB3099](#)

<b>Format</b>	Purified, Liquid
<b>Concentration</b>	4.7mg/ml (OD280nm, E0.1% = 1.4)
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Store at 2–8°C.

## BACKGROUND

<b>Introduction</b>	Canine Distemper Virus is an enveloped, single stranded RNA virus of the genus Morbillivirus, family Paramyxoviridae. Canine distemper caused by the canine distemper virus (CDV) is a contagious, incurable, often fatal, multisystemic viral disease that affects the respiratory, gastrointestinal and central nervous systems.
<b>Keywords</b>	CDV; Mononegavirales; Paramyxoviridae; Morbillivirus; Canine Distemper Virus; Group V; Mouse Anti-Canine Distemper Virus Surface Envelope Antigen Monoclonal Antibody; Canine Distemper Virus Surface Envelope Antigen Monoclonal Antibody; Anti-Canine Distemp