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Datasheet for ABIN457611

Goat anti-Cat IgA (Dimer) Antibody - Preadsorbed

Overview

Quantity:	1 mL
Target:	IgA
Binding Specificity:	Dimer
Reactivity:	Cat
Host:	Goat
Clonality:	Polyclonal
Application:	Immunodiffusion (ID), Immunoelectrophoresis (IEP)

Product Details

Immunogen:	Highly purified secretory IgA isolated from pooled cat milk. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	The reactivity of the antiserum is restricted to the Fc part of the IgA molecule and the surface and hidden determinants of the secretory component. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against normal cat milk two precipitin lines may be obtained, one representing IgA and the other the free secretory component. Against normal cat serum only IgA is precipitated. No precipitation reaction is obtained with purified IgG, IgM, and IgG/Fab fragments
Cross-Reactivity (Details):	The antiserum does not cross-react with any other component of the cat immunoglobulin system. Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. of this antiserum has not been tested in detail.

Product Details

Characteristics:	Precipitating polyclonal goat antiserum to cat secretory IgA Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added. Antibody titre: Precipitin titre 1:32 when tested against pooled normal cat serum in agar-block immuno-diffusion titratio Delipidated, heat inactivated, lyophilized, stable whole antiserum
Purification:	Preadsorption: Immunoaffinity adsorbed using insolubilized antigens

Target Details

Target:	IgA
Abstract:	IgA Products
Target Type:	Antibody

Application Details

Application Notes:	In precipitating techniques as immunoelectrophoresis and radial immunodiffusion to identify the presence of IgA in cat milk or other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of cat IgA from serum or exocrine secretions. Antisera to IgA or sIgA do not discriminate between serum IgA (monomeric and dimeric) and higher molecular forms such as secretory IgA. This antiserum is not intended for use in non-precipitating antibody-binding or other highly sensitive assays. This does not exclude the use of the antiserum in more sensitive techniques if proper controls are included.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Preservative:	Without preservative
Storage:	4 °C/-20 °C
Storage Comment:	The lyophilized antiserum is shipped at ambient temperature and may be stored at +4 °C, prolonged storage at or below -24 °C. Reconstitute the lyophilized antiserum by adding 1 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum. Diluted antiserum should be stored at +4 °C, not refrozen, and preferably used the

same day.