

Datasheet for ABIN458493

Sheep anti-Mouse IgD (Fc Region) Antibody (FITC)[Go to Product page](#)

Overview

Quantity:	1 mL
Target:	IgD
Binding Specificity:	Fc Region
Reactivity:	Mouse
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	FITC
Application:	ELISA, Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Pools of purified homogenous IgD isolated from BALB/C and C57Bl mouse serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Fluorescein isothiocyanate-conjugated IgG fraction of polyclonal Sheep antiSerum to Mouse IgD, Fc specific.
Cross-Reactivity (Details):	This immunoconjugate is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. However this conjugate has been passed over appropriate immunoabsorbents to remove antibodies cross-reacting with Human immunoglobulins. This renders it specific for use in test systems containing material of Human origin (e.g. Human tissue/Mouse monoclonal antibody to a Human tissue constituent/anti Mouse Ig isotype-specific immunoconjugate.

Product Details

Characteristics: The reactivity of the antiserum is directed to the Fc subunit of the IgD molecule, which expresses strict (class) specificity. In immunoelectrophoresis and radial immunodiffusion using various antiserum concentrations against serum of mice belonging to different allotypic groups, a single precipitin line has been obtained which shows a reaction of identity with the precipitin lines obtained with the purified IgD of BALB/C and C57Bl origin used as immunogens. It does not react with IgG including all subclasses, IgG/Fab fragments, IgM and IgA or any non-Ig protein in mouse serum, as tested by immunoelectrophoresis and double radial immunodiffusion. The antiserum also reacts with membrane-bound IgD in peripheral blood cells of different mouse strains as tested by immunofluorescence microscopy. In immunocytochemical and immunohistochemical staining for the detection of IgD at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates, to identify and measure IgD in mouse serum or other body fluids. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

Purification: Purified

Target Details

Target: IgD

Abstract: [IgD Products](#)

Target Type: Antibody

Application Details

Application Notes: ELISA, Immunocytochemistry, Immunohistochemistry (frozen), (In)direct immunofluorescence.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: It is reconstituted by adding 1 mL sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20 °C. FITC-coupled purified hyperimmune sheep IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity. It is reconstituted by adding 1 mL sterile distilled water, spun down to remove insoluble particles, divided into small

Handling

aliquots, frozen and stored at or below -20 °C.

Buffer: FITC-coupled purified hyperimmune sheep IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity.

Preservative: Without preservative

Storage: RT, 4 °C, -20 °C

Storage Comment: The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate.