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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for C220-0002

Rabbit Anti-Sheep Cell Hemolysin

Overview

Description:	Sheep Cell Hemolysin (RABBIT) Antibody - C220-0002
Item No.:	C220-0002
Size:	2 mL
Applications:	Agglutination, ELISA
Reactivity:	Sheep
Host Species:	Rabbit

Product Details

Background:	Sheep red blood cells coated with Rabbit anti-Sheep Cell Hemolysin have traditionally been used to assay the activity of the complement classical pathway in serum samples.
Synonyms:	Rabbit anti-sheep erythrocyte antiserum, Anti-RBC antibody, Red Blood Cell Antibody, Antibody for hemagglutination, rabbit anti-sheep cell hemolysin, rabbit anti-sheep RBC, rabbit antibody to sheep Red Blood Cells (RBC), haemolysin, hemolysin, erythrocytes sensitizing agent, sheep hemolysin
Host Species:	Rabbit
Clonality:	Polyclonal

Target Details

Reactivity:	Sheep
Immunogen Type:	Other
Immunogen:	Sheep washed pooled Red Blood Cells (RBC)
Purity/Specificity:	Rabbit Sheep Cell Hemolysin was prepared from polyspecific antiserum by a delipidation and defibrination.
Relevant Links:	• C220 SDS

Application Details

Tested Applications:	Agglutination
Suggested Applications:	ELISA (Based on references)
Application Note:	Rabbit Anti-Sheep Cell Hemolysin has been tested by agglutination and is suitable for agglutination, complement fixation related assays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Tissue Data

Tissue Type:	Red Blood Cells

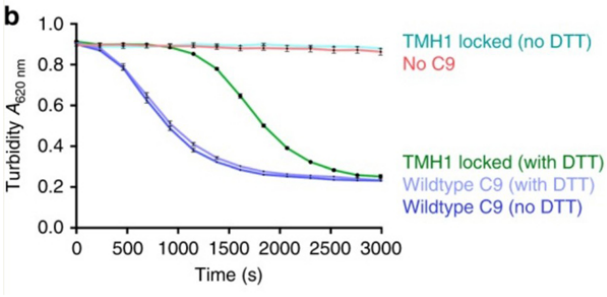
Formulation

Physical State:	Lyophilized
Concentration:	75 mg/mL by Refractometry
Buffer:	None
Sterility:	Non-sterile
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	2.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

Haemolytic activity of disulphide locked C9 against erythrocytes/antibody/complement 1–8 (EAC1-8). The TMH1 locked (no DTT) alone is inactive; however, activity can be rescued with 1 mM DTT (TMH1 locked (with DTT)). Also shown are control experiments: no C9, and wildtype C9 (with and without DTT). EAC1–8 was produced by sensitising 6.5 × 108 cells mL−1 sRBC with equal volume of anti-sheep antibody (0.75 mg mL−1) (Rockland Immunochemicals p/n C220–0002) at 30 °C. Fig 2. PMID: 30111885.

References

- Spicer BA et al. The first transmembrane region of complement component-9 acts as a brake on its self-assembly. *Nat Commun.* (2018)

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