

## Product datasheet for **BM2095**

### Streptomycin (incl. BSA conjugate) Mouse Monoclonal Antibody [Clone ID: CH-2013]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CH-2013
Applications:	ELISA, R
Recommended Dilution:	ELISA: 1/1500. Sensitivity: Approximately 100 pg/ml streptomycin and dihydrostreptomycin when used with the included conjugate (see "Additional Information").
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	Streptomycin, dihydrostreptomycin. Does not react with other aminoglycoside antibiotics such as gentamicin, kanamycin, etc., other classes of antibiotics, or milk and serum proteins.
Formulation:	PBS, containing 0.05 % Sodium Azide as preservative State: Ascites State: Liquid diluted ascites
Conjugation:	Unconjugated
Storage:	Ship at 2-8°C, aliquot and store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Background:	Streptomycin is an antibiotic produced by soil bacteria of the genus <i>Streptomyces</i> and is active against both gram positive and gram negative bacteria, including species resistant to other antibiotics, eg some streptococci, penicillin resistant staphylococci, and bacteria of the genera <i>Proteus</i> and <i>Pseudomonas</i> . Originally isolated by Selman A. Waksman and Albert Schatz in 1947, streptomycin is effective against tubercle bacilli and is a mainstay of tuberculosis therapy. Because streptomycin resistant tubercle bacilli emerge during treatment, the antibiotic is usually used in combination with one or more of the drugs isoniazid, ethambutol, and aminosalicylic acid. Streptomycin acts by inhibiting protein synthesis and damaging cell membranes in susceptible microorganisms. Possible side effects include injury to the kidneys and nerve damage that can result in dizziness and deafness.



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**Note:**

Includes BSA Conjugated Control

Format: Purified, Liquid

Buffer: PBS with 0.05% Sodium Azide

Applications: A standard dilution of 1/1,500 is suggested for ELISA.