



Datasheet

Mouse mAb to **Klebsiella aerogenes K15**
Clone **EBS-I-101**
Isotype **IgG3-κ**

Source

A BALB/c mouse was immunized with *Klebsiella aerogenes* K15 purified polysaccharide.
Fusion partner: Sp2/0.

Specifications

Klebsiella refers to a genus of extremely common, non-motile, Gram-negative bacteria that are encased by a prominent polysaccharide-based capsule and are capable of lactose fermentation and nitrogen fixation under anaerobic conditions. Occurring naturally in soil and in the normal flora of the skin, mouth and intestines, Klebsiella bacteria can cause a wide range of diseases, including soft tissue infections, septicemia, urinary tract infections and, most notably, pneumonia. Klebsiella exists as dozens of different serologically classified strains, which differ in their capsule composition. Klebsiella K15 is one of the many serotypes of Klebsiella bacteria.

EBS-I-101 is specific for *Klebsiella aerogenes* K15 polysaccharide and only reacts with Klebsiella capsular serotype 15 (K15) NCTC 9135.



Figure 1: *Klebsiella aerogenes* on MacConkey agar

Species reactivity

Positive: *K. aerogenes* K15.

Applications

Test for presence of *K. aerogenes* K15.

ELISA	Frozen sections	Immunofluorescence
+	+	+

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide. Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

Dilution advice

- ELISA (solid phase: not known; tracer: 0,001-100 µg/ml for 30 min at RT).
- Immunofluorescence (0.5-1 µg/ml).
- Immunohistology (1-2 µg/ml for 30 min at RT; an appropriate antigen retrieval method for staining of formalin-fixed tissues has not been established to date).

Positive control

Klebsiella species capsular serotype 15 (K15) NCTC 9135.

References

- Nath, K. et al, *Carbohydr. Res.* **161**: 91-96 (1987).