



# Klebsiella K15 (311/408): sc-80860

## BACKGROUND

*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.

## REFERENCES

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3. Parolis, H., Parolis, L.A. and Whittaker, D.V. 1992. Re-investigation of the structure of the capsular polysaccharide of *Klebsiella* K15 using bacteriophage degradation and inverse-detected NMR experiments. Carbohydr. Res. 231: 93-103.
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7. Turton, J.F., Baklan, H., Siu, L.K., Kaufmann, M.E. and Pitt, T.L. 2008. Evaluation of a multiplex PCR for detection of serotypes K1, K2 and K5 in *Klebsiella* sp. and comparison of isolates within these serotypes. FEMS Microbiol. Lett. 284: 247-252.
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## SOURCE

Klebsiella K15 (311/408) is a mouse monoclonal antibody raised against *Klebsiella* K15.

## PRODUCT

Each vial contains 100 µg IgG<sub>3</sub> in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

Klebsiella K15 (311/408) is recommended for detection of capsular serotype 15 (K15) of *Klebsiella* origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

## SELECT PRODUCT CITATIONS

1. Ruan, N., Lin, C., Dong, X., Hu, X. and Zhang, Y. 2018. Induction of Rhesus keratinocytes into functional ameloblasts by mouse embryonic dental mesenchyme. Tissue Eng. Regen. Med. 15: 173-181.

## STORAGE

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.