

Anti-MBL (human, horse, pig)**Mouse monoclonal antibody**

Subclass: IgG1/k

CAT. NO.

HYB 131-14

Clone: 15C5

| | |
|-------------------------------|---|
| SPECIFICITY | HYB 131-14 is specific for human MBL (mannan-binding lectin) from plasma or serum, but cross-reacts strongly with MBL from horse and pig. |
| IMMUNOGEN | MBL purified from human donor plasma |
| TESTED APPLICATIONS | ELISA, WB |
| SPECIES REACTIVITY (POSITIVE) | Human, horse, pig |
| SPECIES REACTIVITY (NEGATIVE) | Not determined |
| EPITOPE SPECIFICITY | Not determined |

PRESENTATION

| | |
|--------------|--|
| Content: | Available in 200 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details. |
| Preparation: | Protein-A purified |
| Form: | Liquid |
| Solvent: | 0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide |
| Storage: | 4-8°C without exposure to light. No precautions necessary during handling. |

APPLICATION

ELISA: HYB 131-14 reacts strongly with human, horse and pig serum, when captured on a mannan coat in ELISA. A weaker reaction is seen when HYB 131-14 is used as a detection antibody for human MBL coated directly onto the microtiter plate.

WB: HYB 131-14 can be used in Western blotting.

TARGET

Mannan-binding lectin (MBL), also called mannose-binding lectin or protein, belongs to the C-type family of collectins, showing calcium-dependent binding to certain sugars. It consists of oligomers of triple-chain subunits and its binding and complement activating activities depend on its normal oligomerization. On binding to mannan-like microbial surface carbohydrates, MBL activates the complement system by means of its own lectin pathway, depending on the MBL-associated serine proteases (MASPs). Because of the presence of different structural and promoter alleles in the population, 12% or more of the population have low concentrations (<50ng/mL) of normally oligomerized, functional MBL in plasma or serum.

REFERENCES**CONDITIONS**

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.