ANTIBODYSHOP®

PRODUCT SPECIFICATION

30/01/2018

# Anti-Tetranectin (human)

## Mouse monoclonal antibody

Subclass: IgG2a/k

Clone: 5B7

CAT. NO. **HYB 130-11**

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|---|---|
| SPECIFICITY | HYB 130-11 is specific for amino acids 17-181 of human tetranectin monomer. |
| IMMUNOGEN | Tetranectin purified from human citrate plasma. Boosted before fusion with recombinant tetranectin produced in E. coli. |
| TESTED APPLICATIONS | WB, IHC-P, IHC-F, M |
| SPECIES REACTIVITY (POSITIVE) | Human, bovine |
| SPECIES REACTIVITY (NEGATIVE) | Not determined |
| EPITOPE SPECIFICITY | |

| 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: | 4-8ºC without exposure to light. No precautions necessary during handling. |

**APPLICATION**

**ELISA:** HYB 130-11 was used in ELISA
**WB:** In Western blotting HYB 130-11 reacts strongly with tetranectin monomer (1).
**IHC:** Strong recognition of tetranectin in immunohistochemistry on both fresh frozen and paraffin-embedded tissues (1, 2).
**Microscopy**: HYB 130-11 can be used in confocal microscopy and light microscopic immunoflorescence (2).

**TARGET**

Tetranectin (TN) is a serum and tissue protein, a C-type lectin, which binds to $Ca^{++}$. It is a homotrimer of monomers each with a mass of 20 kDa, plasma or serum concentrations of TN are found to be approximately 10 mg/l (1). In vitro, TN can bind to kringle 4 of plasminogen and enhance the activation of plaminogen to plasmin, catalyzed by tissue plasminogen activator in the presence of poly-D-lysine. TN is best known as a prognostic marker in ovarian cancer.

**REFERENCES**

1. Hogdall CK, Christiansen M, Christensen L, Yazova AK, Koch C, Clemmensen I, Norgaard-Pedersen B (1997) Monoclonal antibodies against human tetranectin, epitope characterization and use in immunohistochemistry. Clin Chim Acta 258:159-177.
2. Wernbom M, Paulsen G, Nilsen TS, Hisdal J, Raastad T (2012) Contractile function and sarcolemmal permeability after acute low-load resistance exercise with blood flow restriction. Eur J Appl Physiol 112:2051-2063.

CONDITIONS

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