

ANTI-SMIM15 MONOCLONAL ANTIBODY AND USE THEREOF

ABSTRACT

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Disclosed is a monoclonal antibody inhibiting an SMIM15 and application thereof. The antibody is secreted by a hybridoma cell strain 1M5. A preparation method includes: preparing mouse immunogen and an antigen for detection; preparing the hybridoma cell strain 1M5 against an SMIM15; screening an SMIM15 positive monoclonal antibody; identifying a subtype of the monoclonal antibody; detecting specificity of the SMIM15 positive monoclonal antibody; 10 producing and purifying the monoclonal antibody in a BALB/c mouse; detecting purity of the antibody by SDS-PAGE; and performing function identification and application on the SMIM15 monoclonal antibody with WB, IHC and ELISA. According to the present application, the antibody secreted by the hybridoma cell strain 1M5 is an immunoglobulin, which is non-toxic, and 15 can be used for Western blot and immunohistochemistry and used as an active ingredient to be made into a reagent or drug for diagnosis and treatment of SMIM15-related diseases.

Fig. 7 for publication.

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