

Title (en)

ANTIBODY BINDING SUPERFICIAL ZONE PROTEIN AND THEIR USES IN DIAGNOSIS AND SCREENING METHODS

Title (de)

ANTIKÖRPER GEGEN DAS "SUPERFICIAL ZONE PROTEIN" UND IHRE VERWENDUNG IN NACHWEISVERFAHREN

Title (fr)

PROTEINES DE ZONE SUPERFICIELLE LIEES A UN ANTICORPS ET LEURS UTILISATIONS DANS LE CADRE DE PROCEDES DE FILTRAGE ET DE DIAGNOSTIC

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Abstract (en)

[origin: WO0158958A1] The invention provides an antibody or a fragment thereof having specific binding affinity for superficial zone protein (SZP) or a variant, fragment, or protein core thereof, wherein the binding affinity of the antibody or fragment thereof for human superficial zone protein is the same or greater than the binding affinity for bovine superficial zone protein in a competitive binding assay, IAsys analysis, or BIAcore analysis. The present invention further provides hybridoma cells that produce the monoclonal antibody and antibody reagent kits comprising the antibody or fragment of the invention. Further provided by the invention are methods of SZP detection, methods of diagnosing a degenerative joint condition, and screening methods related to the use of the antibody or fragment thereof.

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