ANTI SULFATIDES AND ANTI SULFATED PROTEOGLYCANS ANTIBODIES AND THEIR USE

SUMMARY:

The present invention relates to the biotechnology and particularly with new products for use in human health.

The present invention provides new specific monoclonal antibodies, which bind with high affinity sulfatides and sulfated proteoglycans.

The anti sulfatides and anti sulfated proteoglycans antibodies disclosed in the present invention and described in the description, provide important diagnostic and therapeutic tools to act on pathological processes associated with the appearance of atherosclerotic plaques.

Accordingly, the invention provides pharmaceutical compositions comprising MAbs of the invention or fragments thereof for the therapeutic and diagnostic use associated with cardiovascular diseases. Particularly, the present invention relates to the fragments derived from the MAbs that recognize sulfatides and sulfated proteoglycans, which can be used in the therapy or diagnosis of this pathology.