

Title (en)  
METHODS AND COMPOSITIONS FOR THE TREATMENT AND PREVENTION OF GRAFT REJECTION USING HEAT SHOCK PROTEINS

Title (de)  
METHODEN UND ZUSAMMENSETZUNGEN ZUR BEHANDLUNG UND PRÄVENTION VON TRANSPLANTATABSTOSSUNG DURCH VERWENDUNG VON HITZESCHOCKPROTEINEN

Title (fr)  
PROCEDES ET COMPOSITIONS POUR LE TRAITEMENT ET LA PREVENTION DES REJETS DE GREFFES UTILISANT DES PROTEINES DE CHOC THERMIQUE

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Application  
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Priority  
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Abstract (en)  
[origin: WO0117554A1] Methods for treatment and prevention of graft rejection, e.g., in response to tissue or organ transplantation, are disclosed. The disclosed methods comprise administration of compositions of complexes of heat shock/stress protein (hsps) including, but not limited to, hsp70, hsp90, and gp96, either alone or in combination with each other, noncovalently bound to antigenic molecules, to suppress the immune response to the grafted tissue or organ. In addition, administration of compositions containing un-complexed stress proteins (i.e., free of antigenic molecules) to suppress the immune response to the grafted tissue or organ are also disclosed. The invention encompasses administration of heat shock proteins before, after, or both before and after transplantation or grafting. In addition, the invention encompasses administration of donor tissue sample prior to administration of heat shock protein and subsequent transplantation or grafting.

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**A61K 39/001** (2013.01); **A61P 37/06** (2017.12); **A61K 2039/6043** (2013.01); **A61K 2039/622** (2013.01)

Citation (search report)  
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• [A] QIAN J ET AL: "Expression of stress proteins and lymphocyte reactivity in heterotopic cardiac allografts undergoing cellular rejection", TRANSPLANT IMMUNOLOGY 1995 UNITED KINGDOM, vol. 3, no. 2, 1995, pages 114 - 123, XP002288908, ISSN: 0966-3274  
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• See references of WO 0117554A1

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