PROSTAGLANDIN E2 BINDING PROTEINS AND USES THEREOF

Abstract

The present invention encompasses prostaglandin E2 (PGE_2) binding proteins. The invention relates to antibodies that are wild-type, chimeric, CDR grafted and humanized. Preferred antibodies have high affinity for prostaglandin E_2 and neutralize prostaglandin E_2 activity *in vitro* and *in vivo*. An antibody of the invention can be a full-length antibody, or an antigen-binding portion thereof. Methods of making and methods of using the antibodies of the invention are also provided. The antibodies, or antigen-binding portions, of the invention are useful for detecting prostaglandin E_2 and for inhibiting prostaglandin E_2 activity, e.g., in a human subject suffering from a disorder in which prostaglandin E_2 activity is detrimental.

Figure 1