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(54) Title: NOVEL PD-1 BINDING DOMAINS

(57) Abstract: The present disclosure relates to novel PD-1 binding domains that have a higher binding affinity for human PD-1 than a reference PD-1 binding domain. The PD-1 binding domains of the present disclosure further provide a comparable, or equal or higher, potency in blocking ligand binding to human PD-1 than a reference PD-1 antibody. The present disclosure further relates to binding moieties comprising such PD-1 binding domains. Also provided is a method for treating a disease, in particular a disease associated with a suppressed immune system, such as cancer, with a PD-1 binding domain or binding moiety of the present disclosure. The present disclosure further relates to nucleic acids encoding the heavy chain variable region of the PD-1 binding domains, and a vector and cell comprising such nucleic acid.



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