



Immune Checkpoint Monoclonal Antibodies



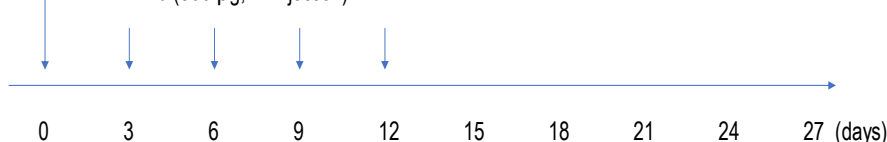
Immune checkpoint blockade therapies enhance antitumor immune responses and work effectively in particular cancers such as melanoma (1-3). Investigating the effects of these therapeutic antibodies requires different types of rodent cancer models. Same-species antibodies must be used for long-term animal studies because administered heterologous antibodies may be inactivated by the host's immune response. Chondrex, Inc. provides mouse anti-mouse cytotoxic T-lymphocyte associated antigen 4 (CTLA4) and programmed death ligand 1 (PD-L1) antibodies which are applicable to many types of mouse cancer models. For more information about these products, please contact Chondrex, Inc. at support@chondrex.com.

Efficacy of Anti-Immune Checkpoint Antibodies in Mouse Melanoma Models

Melanoma Model Protocol:

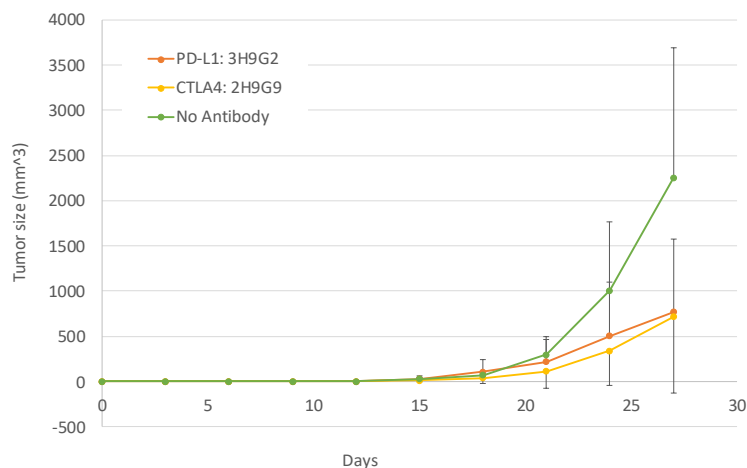
Melanoma B16 cells (5×10^4 cells): ID injection

mAb (300 μ g, IP injection)



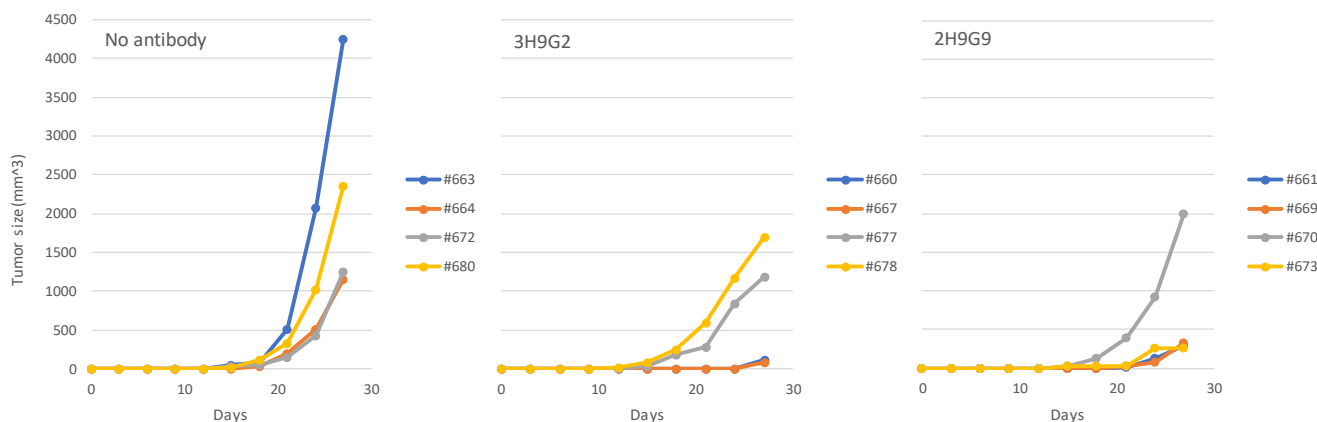
C57BL/6 mice received B16 melanoma cells (5×10^4 cells) intradermally (ID) on day 0, followed by intraperitoneal injections (IP) of 300 μ g of monoclonal antibodies on days 3, 6, 9, and 12. Tumor sizes were evaluated every 3 days until day 27.

Melanoma Tumor Size in Mice Treated with Anti-Immune Checkpoint Antibodies



Chondrex, Inc's mouse anti-mouse immune checkpoint monoclonal antibodies: anti-PD-L1 3H9G2 (Cat # 7134) and anti-CTLA4 2H9G9 (Cat # 7133) prevented 70% of melanoma tumor growth (Left). More specifically, 90% of melanoma cell growth was inhibited in 3 out of 4 mice who received 2H9G9 and in 2 out of 4 mice who received 3H9G2 (Below).

Melanoma Tumor Size in Individual Mice Treated with Anti-Immune Checkpoint Antibodies





Cancer-Related Study Reagents



Anti-Immune Checkpoint Antibodies*

Target	Clone Name	Host	Amounts	Catalog #
Mouse CTLA4	2H9G9	Mouse	2 mg x 5 ml	7133
Mouse PD-L1	3H9G2	Mouse	2 mg x 5 ml	7134

*Individual monoclonal antibodies against immune checkpoints for *in-vitro* studies are also available. Please visit www.chondrex.com for more information.

Exosome Detection ELISA Kits

Products	Catalog #
Human CD63 Expressed Exosome Detection Assay Kit	6037
Human CD9 Expressed Exosome Detection Assay Kit	6036
Human CD9 x CD63 Expressed Exosome Detection Assay Kit	6038

Cytokine & Chemokine ELISA Kits*

Targets	Human Kit Catalog #	Mouse Kit Catalog #
IFN- γ	6804	6704
IL-1 β	6805	6705
IL-2	6811	6711
IL-4	6803	6703
IL-5	6813	6713
IL-6	6802	6702
IL-10	6806	6706
IL-13	6812	6712
IL-17	6808	6708
IL-23	Coming soon!	6714
TGF- β	6809	6709
TNF- α	6801	6701
VEGF	6810	6710
CCL2	6821	6721
CCL5	6822	6722
CCL25	6823	6723
CCL28	6824	6724
CXCL1	6825	6725
CXCL13	Coming soon!	6729
CXCL14	6827	6727

*A rat TNF- α ELISA kit (Cat # 6901) is also available. Please contact Chondrex, Inc. at support@chondrex.com for more information.