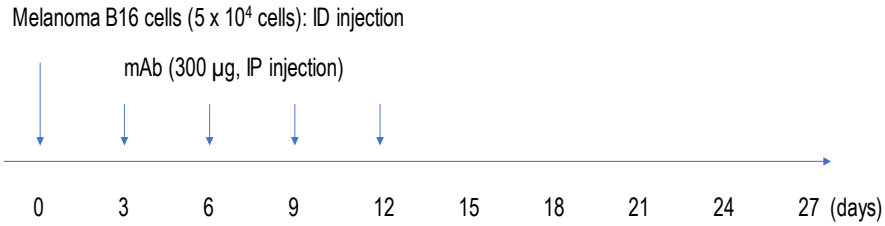
Immune Checkpoint Monoclonal Antibodies

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 heterogonous 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.

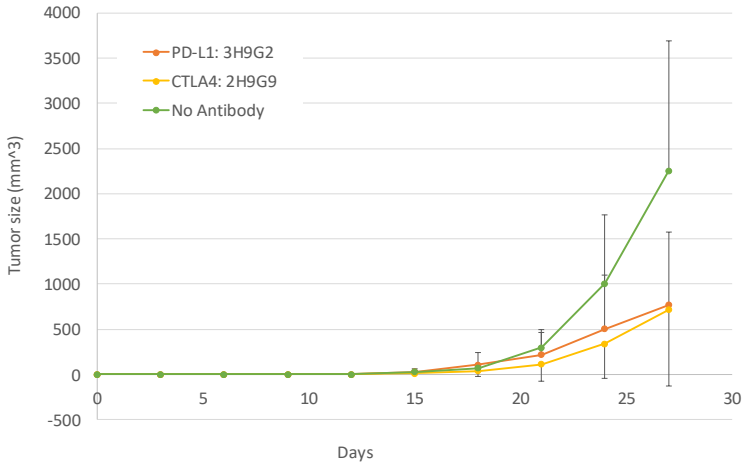
Efficacy of Anti-Immune Checkpoint Antibodies in Mouse Melanoma Models

Melanoma Model Protocol:



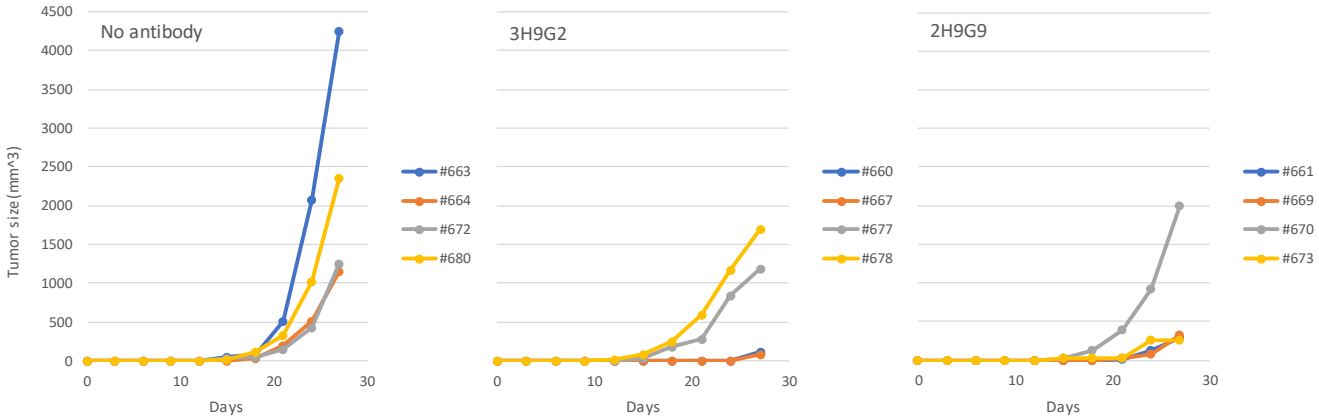
C57BL/6 mice received B16 melanoma cells (5 x 10^4 cells) intradermally (ID) on day 0, followed by intraperitoneal injections (IP) of 300 µg of monoclonal antibodies on days 3, 6, 9, and 12. Tumor sizes were evaluated every 3 days until day 27.

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 or contact suppow@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

S100A8 and S100A9 Detection ELISA Kits and Antibodies

Products	Catalog #
Mouse S100A8 Detection Kit	6054
Rat Anti-Mouse S100A8 IgG2a Monoclonal Antibody, Clone 3B9C9	7164
Mouse S100A9 Detection Kit	6056
Rat Anti-Mouse S100A9 IgG2a Monoclonal Antibody, Clone 8A8B9	7165

Cytokine & Chemokine ELISA Kits

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

*A Rat TNF-α ELISA Kit (Cat # 6901) is also available. Please visit www.chondrex.com or contact support@chondrex.com for more information.