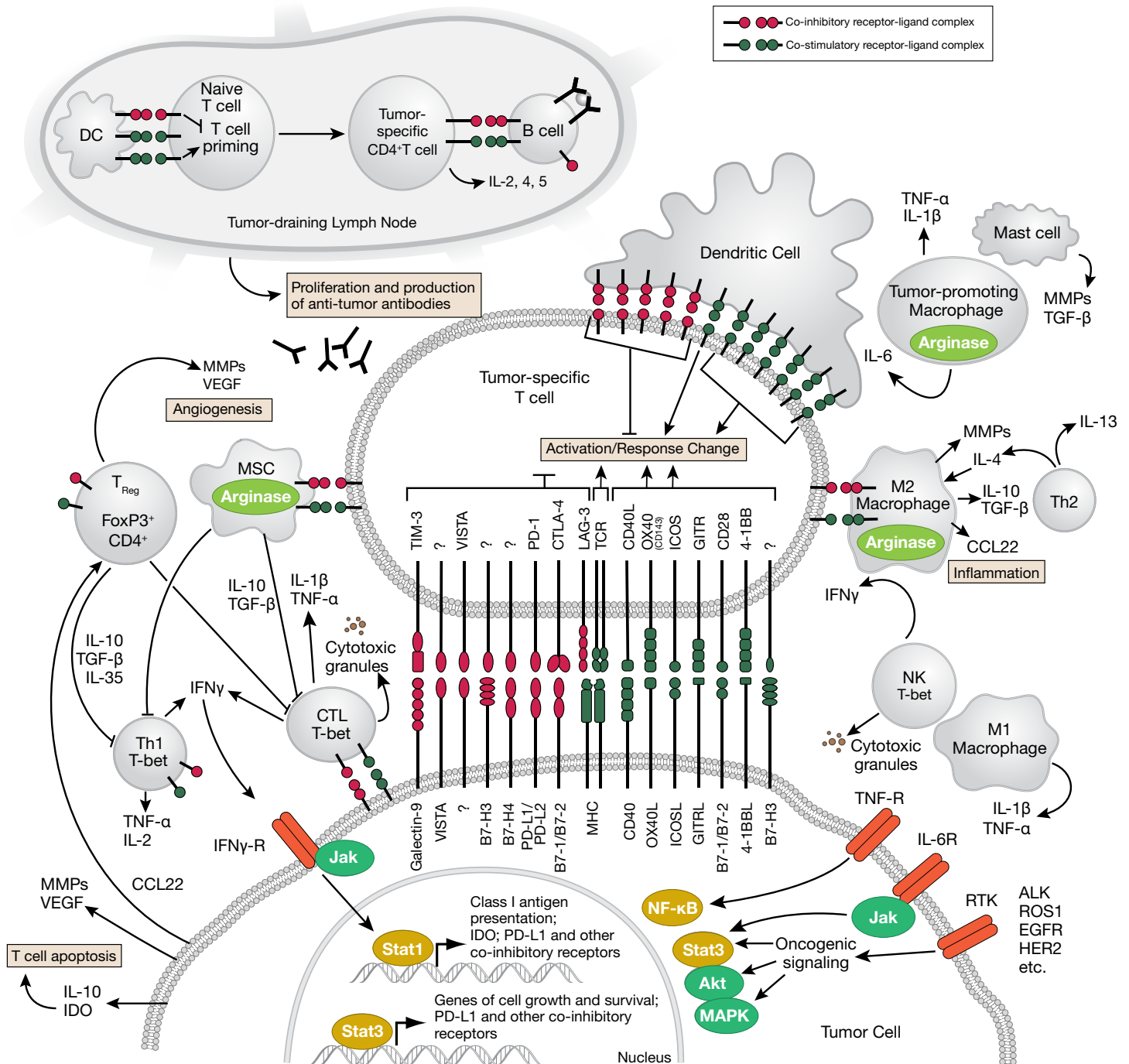


Immune Checkpoint Signaling in the Tumor Microenvironment



Key Products for Immune Checkpoint Signaling in the TME

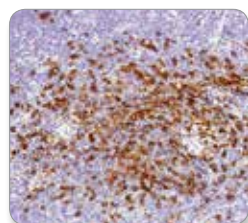
Visit www.cellsignal.com for full listing of antibodies, related kits, and reagents.

ANTIBODIES & KITS

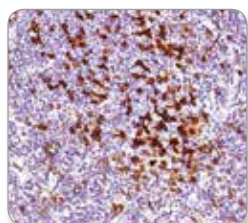
	APPLICATIONS	REACTIVITY
#34594 4-1BB/CD137/TNFRSF9 (D2Z4Y) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H
#62634 4-1BB/CD137/TNFRSF9 Antibody	WB	H
#93668 Arginase-1 (D4E3M™) XP® Rabbit mAb	WB, IHC-P, IF-IC, IF-F, H, M, R	
#14058 B7-H3 (D9M2L) XP® Rabbit mAb	WB, IHC-P	H
#14572 B7-H4 (D1M8I) XP® Rabbit mAb	WB, IHC-P	H
#14520 PathScan® Total B7-H4 Sandwich ELISA Kit	ELISA	H
#45581 CD11c (D3V1E) XP® Rabbit mAb	WB, IHC-P	H
#38774 CD28 (D2Z4E) Rabbit mAb	WB, IP	H, M
#4443 CD3ε (CD3-12) Rat mAb	WB, IP F	H, M (Pg)
#85061 CD3ε (D7A6E™) XP® Rabbit mAb	WB, IP IHC-P	H
#25229 CD4 (D7D2Z) Rabbit mAb	WB, IHC-P	M, R
#40868 CD40 (D8W3N) Rabbit mAb	WB, IHC-P	H
#15094 CD40 Ligand (D5J9Y) Rabbit mAb	WB, IP, IHC-P	H
#76437 CD68 (D4B9C) XP® Rabbit mAb	IHC-P, IF-IC, F	H
#79594 CD68 (D4B9C) XP® Rabbit mAb (PE Conjugate)	F	H
#70306 CD8α (C8/144B) Mouse mAb (IHC Specific)	IHC-P	H
#98941 CD8α (D4W2Z) XP® Rabbit mAb (Mouse Specific)	WB, IHC-P	M
#85336 CD8α (D8A8Y) Rabbit mAb	WB, IP, IHC-P, F	H
#15162 CTLA-4 (D4E9I) Rabbit mAb (Alexa Fluor® 488 Conjugate)	F	H
#15132 CTLA-4 (D4E9I) Rabbit mAb (PE Conjugate)	F	H
#70076 F4/80 (D2S9R) XP® Rabbit mAb	WB, IP, IHC-P	M
#98377 FoxP3 (D2W8E™) Rabbit mAb (IHC Specific)	IHC-P	H
#12653 FoxP3 (D6O8R) Rabbit mAb	IHC-P, IF-F, F	M
#40103 Galectin-1/LGALS1 (8A12) Mouse mAb	WB, IHC-P	H
#12936 Galectin-1/LGALS1 (D608T) Rabbit mAb	WB, IF-IC	H, M, R, Mk
#13888 Galectin-1/LGALS1 (D608T) Rabbit mAb (IHC Formulated)	IHC-P	H, M, R
#54330 Galectin-9 (D9R4A) XP® Rabbit mAb	WB, IHC-P F	H
#68014 GITR (D9I9D) Rabbit mAb (IHC Preferred)	WB, IHC-P	H, (Mk)
#4928 Granzyme A Antibody	WB, E-P	H
#4275 Granzyme B Antibody	WB, E-P	H, M
#89601 ICOS (D1K2T™) Rabbit mAb (IHC Specific)	IHC-P	H
#86630 IDO (D5J4E™) Rabbit mAb	WB, IP, IHC-P, IF-IC, F	H
#10312 IDO (D5J4E™) Rabbit mAb (PE Conjugate)	F	H
#15372 LAG3 (D2G40™) XP® Rabbit mAb	WB, IHC-P	H
#13160 NT5E/CD73 (D7F9A) Rabbit mAb	WB, IHC-P	H, M, R
#15123 OX40 (D1S6L) Rabbit mAb	WB, IP, IF-IC, F	H
#15135 OX40 (D1S6L) Rabbit mAb (Alexa Fluor® 488 Conjugate)	IF-IC, F	H

ANTIBODIES & KITS

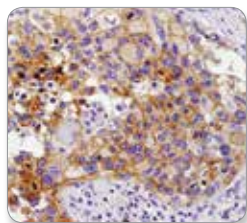
	APPLICATIONS	REACTIVITY
#59036 OX40L (D6K7R) Rabbit mAb (IHC Specific)	IHC-P	H
#15135 OX40 (D1S6L) Rabbit mAb (Alexa Fluor® 488 Conjugate)	IF-IC, F	H
#59036 OX40L (D6K7R) Rabbit mAb (IHC Specific)	IHC-P	H
#13160 NT5E/CD73 (D7F9A) Rabbit mAb	WB, IHC-P	H, M, R
#15123 OX40 (D1S6L) Rabbit mAb	WB, IP, IF-IC, F	H
#15135 OX40 (D1S6L) Rabbit mAb (Alexa Fluor® 488 Conjugate)	IF-IC, F	H
#59036 OX40L (D6K7R) Rabbit mAb (IHC Specific)	IHC-P	H
#86163 PD-1 (D4W2J) XP® Rabbit mAb	WB, IP, IHC-P, F	H
#84651 PD-1 (D7D5W) XP® Rabbit mAb (Mouse Specific)	WB, IHC-P, F	H, Mk
#29122 PD-L1 (405.9A11) Mouse mAb	WB, IHC-P	H
#64988 PD-L1 (D5V3B) Rabbit mAb (Mouse Specific; IHC Specific)	IHC-P	M
#14123 PD-L1 (E1L3N®) XP® Rabbit mAb (PE Conjugate)	F	H
#13684 PD-L1 (E1L3N®) XP® Rabbit mAb	WB, IP, IHC-P, F	H
#14772 PD-L1 (E1L3N®) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate)	F	H
#15005 PD-L1 (E1L3N®) XP® Rabbit mAb (Alexa Fluor® 647 Conjugate)	F	H
#86744 PD-L1 (Extracellular Domain Specific) (D8T4X) Rabbit mAb	IF-IC, F	H
#25048 PD-L1 (Extracellular Domain Specific) (D8T4X) Rabbit mAb (Alexa Fluor® 488 Conjugate)	IF-IC, F	H
#41726 PD-L1 (Extracellular Domain Specific) (D8T4X) Rabbit mAb (Alexa Fluor® 647 Conjugate)	IF-IC, F	H
#55919 PD-L1 (Extracellular Domain Specific) (D8T4X) Rabbit mAb (Pacific Blue™ Conjugate)	F	H
#71391 PD-L1 (Extracellular Domain Specific) (D8T4X) Rabbit mAb (PE Conjugate)	F	H
#15165 PD-L1 (Extracellular Domain Specific) (E1J2J™) Rabbit mAb	WB, IHC-P	H
#14784 PathScan® Total PD-L1 Sandwich ELISA Kit	ELISA	H
#82723 PD-L2 (D7U8C™) XP® Rabbit mAb	WB, IHC-P	H
#81254 PVR/CD155 (D8A5G) Rabbit mAb	WB, IHC-P	H
#83882 TIM-3 (D3M9R) XP® Rabbit mAb (Mouse Specific)	WB, IP, IHC-P	M
#45208 TIM-3 (D5D5R™) XP® Rabbit mAb	WB, IP, IHC-P, F	H
#54669 TIM-3 (D5D5R™) XP® Rabbit mAb (Alexa Fluor® 488 Conjugate)	F	H
#78226 TIM-3 (D5D5R™) XP® Rabbit mAb (Alexa Fluor® 647 Conjugate)	F	H
#64953 VISTA (D1L2G™) XP® Rabbit mAb	WB, IHC-P, F	H, Mk
#54979 VISTA (D5L5T) XP® Rabbit mAb	WB, IP, IHC-P, IF	H, M, R



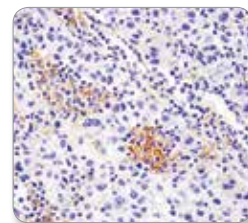
CD8α (D4W2Z) XP® Rabbit mAb (Mouse Specific) #98941: IHC analysis of paraffin-embedded mouse spleen using #98941.



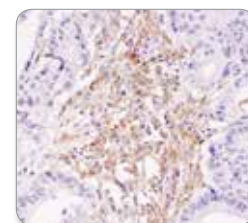
PD-1 (D4W2J) XP® Rabbit mAb #86163: IHC analysis of paraffin-embedded human B-cell non-Hodgkin's lymphoma using #86163.



PD-L1 (E1L3N®) XP® Rabbit mAb #13684: IHC analysis of paraffin-embedded human lung carcinoma using #13684.



PD-L2 (D7U8C™) XP® Rabbit mAb #82723: IHC analysis of paraffin-embedded human non-small cell lung carcinoma using #82723.



TIM-3 (D5D5R™) XP® Rabbit mAb #45208: IHC analysis of paraffin-embedded human colon carcinoma using #45208.

APPLICATIONS & REACTIVITY KEY: WB Western Blotting / IP Immunoprecipitation / IHC Immunohistochemistry / IF Immunofluorescence / F Flow Cytometry / ChIP Chromatin Immunoprecipitation / -IC Immunocytochemistry / -P Paraffin / -F Frozen / E-P Peptide ELISA / H human / M mouse / R rat / Hm hamster / Mk monkey / C chicken / Mi mink / Dm D. melanogaster / X Xenopus / Z zebra fish / B bovine / Dg dog / Pg pig / Sc S. cerevisiae / All all species expected / () 100% sequence homology

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