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Tumor immune checkpoints and their associated inhibitors

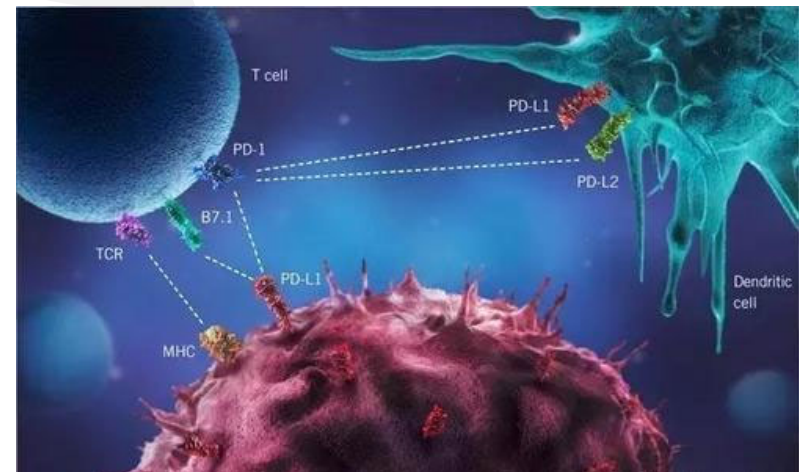
Key words:

Immune checkpoint; Immune checkpoint inhibitor;
PD-L1; CTLA-4; LAG-3; TIGIT; B7 family

Research Summary

This review summarize the current knowledge on the functional and regulatory mechanisms of many immune checkpoint molecules at multiple levels.

- PD-L1
- CTLA-4 ● epigenetic
- LAG-3
- TIGIT
- B7 family: ● transcriptional
 - B7-H3
 - B7-H4
 - VISTA ● post-translational
 - HHLA4



Pictures adapted from: Cover of Chinese Journal of Cancer Biotherapy 2018, Vol. 25, No. 3

Research Summary

A series of comprehensive tables were generated to summarize the latest knowledge about tumor immune checkpoints and their associated inhibitors

Table 1 | Immune checkpoints and their main expressing cells.

Table 2 | Regulators of PD-L1.

Table 3 | Regulators of CTLA-4.