

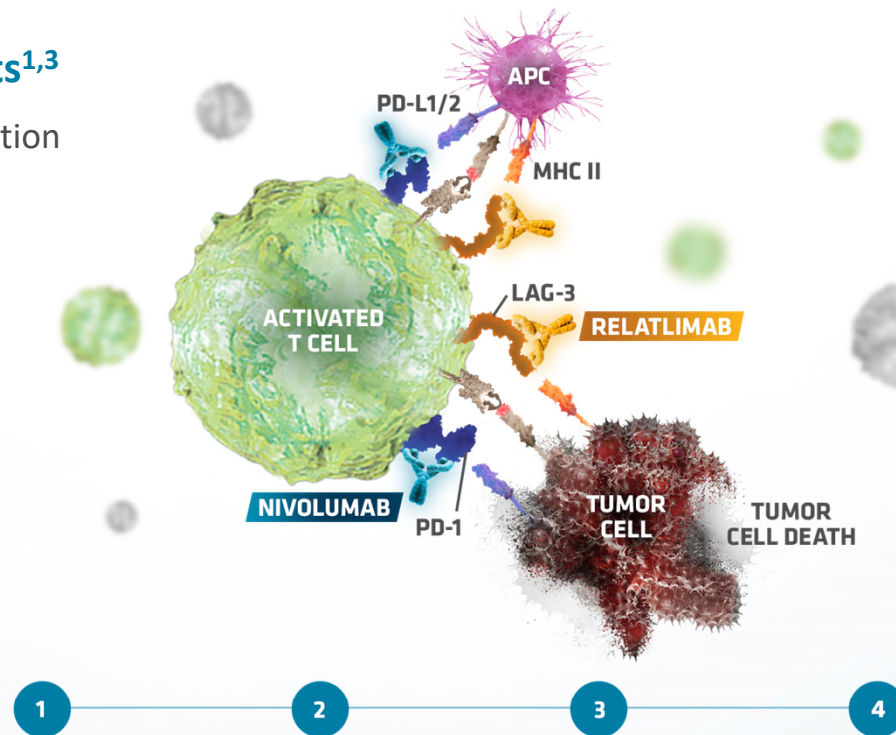


Mode of Action

OPDUALAG[®] SYNERGISTICALLY ACTS ON LAG-3 AND PD-1 TO INCREASE T-CELL ACTIVITY AND COUNTER T-CELL EXHAUSTION^{1,2,3}

LAG-3 and PD-1 are two distinct immune checkpoints^{1,3}

- Relatlimab binds to the LAG-3 receptor and blocks its interaction with the ligands, including MHC II, reducing LAG-3 pathway-mediated inhibition of the immune response, thereby promoting T-cell proliferation and cytokine secretion¹
- Nivolumab binds to the PD-1 receptor and blocks its interaction with PD-L1 and PD-L2, thereby relieving T-cell exhaustion and improving cytokine production¹
- The combination of nivolumab- and relatlimab-mediated inhibition increases T-cell activity compared to the activity of either antibody alone¹



Targeting of normal cells can occur.

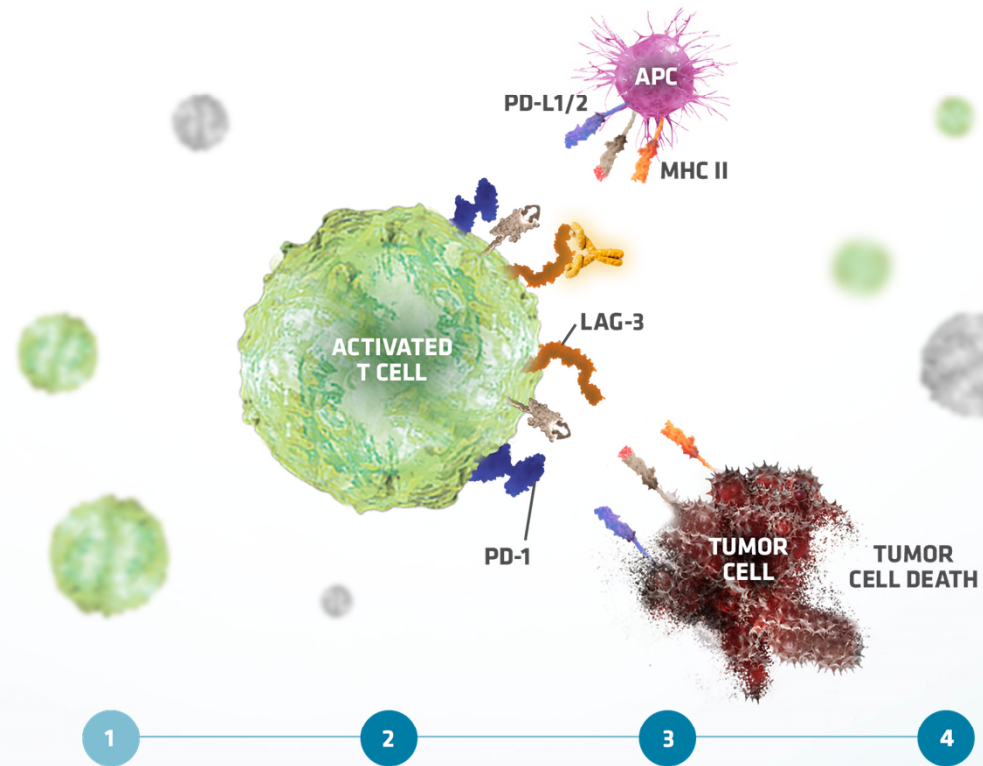
The illustrated mechanism of action may vary for each patient and may not directly correlate with clinical significance

APC, antigen-presenting cell; LAG-3, lymphocyte-activation gene 3; MHC II, major histocompatibility complex II; PD-1, programmed death receptor-1; PD-L1, programmed death ligand 1; PD-L2, programmed death ligand 2

1. SmPC Opdualag[®]. 2. Long L, Zhang X, Chen F, et al. The promising immune checkpoint LAG-3: from tumor microenvironment to cancer immunotherapy. *Genes Cancer*. 2018;9(5-6):176-189. 3. Tawbi HA, Schadendorf D, Lipson EJ, et al. Relatlimab and nivolumab versus nivolumab in untreated advanced melanoma. *N Engl J Med*. 2022;386(1):24-34

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- LAG-3 is a cell-surface molecule expressed on T cells and other immune cells^{2,3,4}



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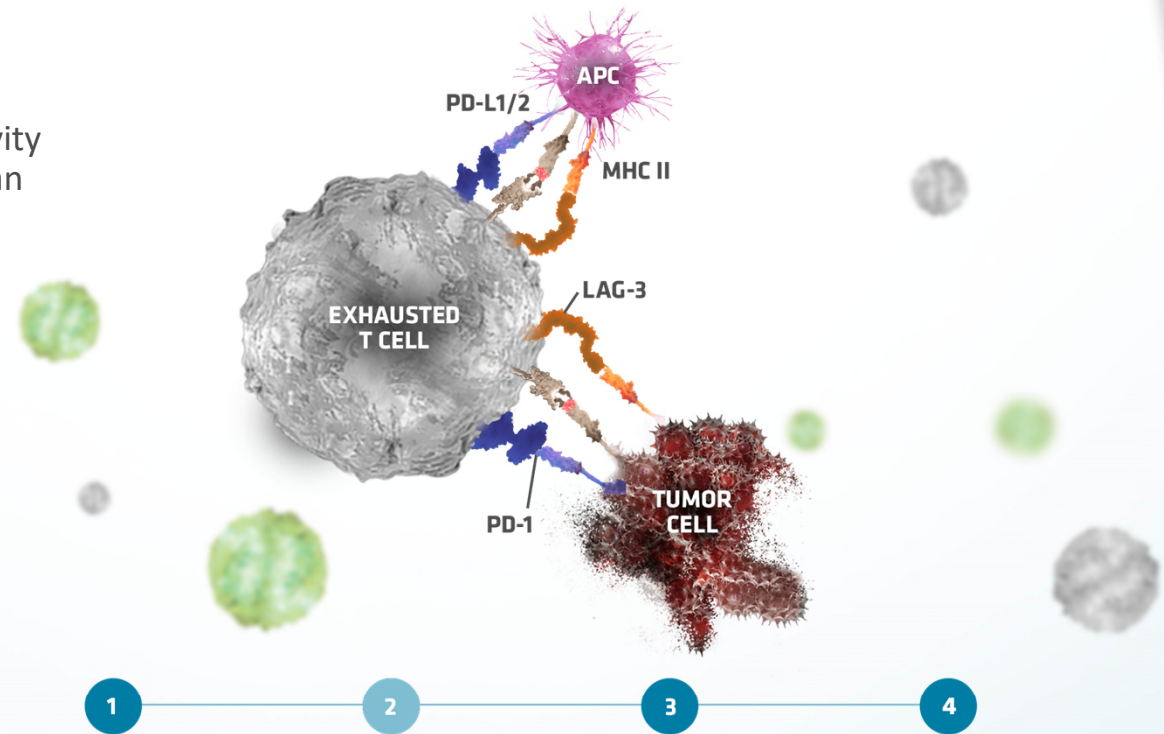
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- Activation of the LAG-3 pathway triggers inhibitory activity that reduces the function of effector T cells, leading to an impaired ability to attack tumor cells and an increased potential for tumor growth^{2,3}
- LAG-3 and PD-1 are two distinct inhibitory immune checkpoint pathways that act synergistically on effector T cells, leading to the inhibition of T-cell proliferation and impaired cytokine production^{1,3,4}



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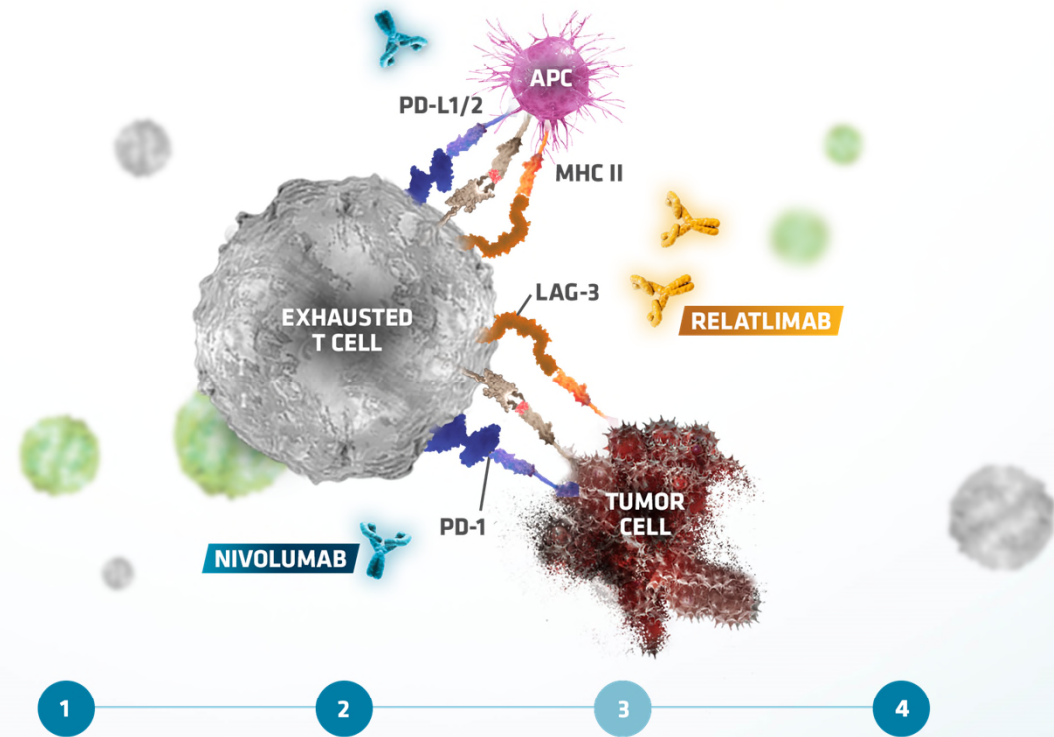
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- Combined nivolumab (anti-PD-1) and relatlimab (anti-LAG-3) inhibition results in increased T-cell activation compared to the activity of either antibody alone. This leads to an initiation of an improved antitumor immune response¹



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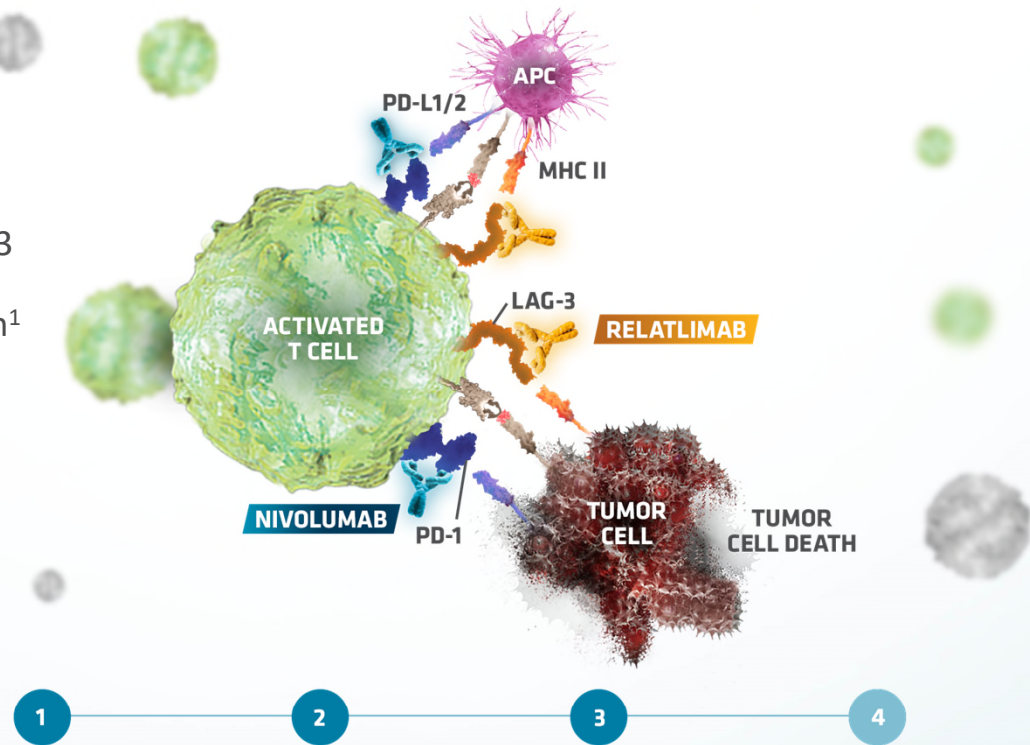
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