

17

Name of journal: World Journal of Gastrointestinal Oncology

ESPS Manuscript NO: 17133

Columns: Editorial

35

Anti PD-1/anti PD-L1 in digestive cancers

Eléonore de Guillebon, Pauline Roussille, Eric Frouin, David Tougeron

Abstract

Human tumors tend to activate the immune system regulatory checkpoints as a means of escaping immunosurveillance. For instance, interaction between PD1 and PD-L1 will lead the activated T cell to a state of anergy and PD-L1 is upregulated on a wide range of cancer cells. Anti-PD1 (*Program Death 1*) and anti-PD-L1 monoclonal antibodies (mAbs), called immune checkpoint inhibitors (ICIs), have consequently been designed to restore T cell activity.

Accumulating data are in favor of an association between PD-L1 expression in tumors and response to treatment. A PD-L1 expression is present in 30 to 50% of digestive cancers. Multiple anti-PD1 (nivolumab, pembrolizumab) and anti-PD-L1 mAbs (MPDL3280A, Medi4736) are under evaluation in digestive cancers. Preliminary results in metastatic gastric cancer with pembrolizumab are highly promising and phase II will start soon. In metastatic colorectal cancer, a phase III trial of MPDL3280A as maintenance therapy will shortly be initiated. Trials are also ongoing in metastatic colorectal cancer with high immune T cell infiltration (i.e. microsatellite instability).

Match Overview

1	CrossCheck 35 words 8NA, ... "15th World Conference on Lung Cancer", Journal of Thoracic Oncology, 2013.	1%
2	CrossCheck 21 words Yang, Lu-Lu, and Yi-Long Wu, "Recent advances of immunotherapy in lung cancer: anti-programmed cell death ...	1%
3	CrossCheck 19 words Ascierto, Paolo A, Antonio M Grimaldi, Ana Carrizosa Anderson, Carlo Bifulco, Alistair Cochran, Claus Garbe, Alex	1%
4	CrossCheck 19 words A Tanaka, "Whole recombinant yeast vaccine induces antitumor immunity and improves survival in a genetically ...	1%
5	Internet 18 words crawled on 21-Jan-2013 www.ncbi.nlm.nih.gov	<1%
6	CrossCheck 18 words Reiss, Kim A, Patrick M Forde, and Julie R Brahmer, "Harnessing the power of the immune system via blockade ...	<1%
7	Internet 17 words crawled on 26-Apr-2015 www.nature.com	<1%
8	Internet 13 words crawled on 03-Feb-2010 emedicine.medscape.com	<1%
9	CrossCheck 13 words Blank, Christian U., "The perspective of immunotherapy ... new molecules and new mechanisms of action in immu	<1%
10	Internet 13 words crawled on 29-Jan-2013 revista.immunologia.org	<1%



Anti PD-1/anti PD-L1 in digestive cancers



网页

新闻

图片

视频

更多

搜索工具

找到约 746,000 条结果 (用时 0.66 秒)

Anti-PD-1 Antibody in Gastric Cancer | OncoTherapy Network

www.oncotherapynetwork.com/gastrointestinal-cancer.../anti-p... 翻译此页

2015年1月23日 - Anti-PD-1 Antibody in Gastric Cancer ... Patients were assessed for PD-L1 expression of their tumors. "I think that there are not any differences ...

Immunotherapy for Colorectal Cancer - CRI

www.cancerresearch.org/cancer...all-cancers/colorectal-cancer 翻译此页

It is estimated that 1 in every 20 people will develop colorectal cancer. A phase I/II trial of MEDI4736, an anti-PD-L1 checkpoint inhibitor made by tumor-infiltrating lymphocytes (TILs) in metastatic digestive tract cancers (NCT01174121).

Relationship between PD-L1 expression and clinical ...

meetinglibrary.asco.org/content/140536-158 翻译此页

Keynote Lecture: Immune Checkpoints for Upper Gastrointestinal Cancers ... Pembrolizumab, an anti-PD-1 monoclonal antibody, has shown antitumor activity in ...

Anti-PD-1: A Novel Immunotherapy: Johns Hopkins Kimmel ...

www.hopkinsmedicine.org > ... > Melanoma Program > Research 翻译此页

Researchers at Johns Hopkins Kimmel Cancer Center are leading the way in developing novel immunotherapies called anti-PD-1 and anti-PD-L1 for people ...

Anti-PD-L1 | GRACE :: Lung Cancer

cancergrace.org/lung/tag/anti-pd-l1/ 翻译此页

2014年12月21日 - My Top Five Highlights in Lung Cancer from 2014. Published December 21 Dr. Neal ASCO 2012 LC Highlights Anti-PD-1 Audio Podcast.

Prospects for Targeting PD-1 and PD-L1 in Various Tumor ...

www.cancernetwork.com/supplements/...pd-1-and-pd-l1.../3 翻译此页

2014年11月10日 - Table 1: Selected Anti-PD-1 and Anti-PD-L1 Antibodies ... Similar to lung and bladder cancers, it carries high mutation rates. Hepatic or gastrointestinal adverse events, predominantly diarrhea, were managed with ...

PD-1 Pathway Inhibitors: Changing the Landscape of Cancer

www.oncotherapynetwork.com/pd-1-the-cancer-.../271862/ 翻译此页



Anti program death 1/anti program death ligand 1 in digestive cancers



网页

图片

新闻

视频

更多

搜索工具

找到约 10,800,000 条结果 (用时 0.52 秒)

Google 学术: Anti program death 1/anti program death ligand 1 in digestive cancers

The Fas death factor - Nagata - 被引用次数: 4637

... APO-1 (Fas/CD95)-associated proteins form a death- ... - Kischkel - 被引用次数: 1955

... anti-PD-L1 antibody in patients with advanced cancer - Brahmer - 被引用次数: 1475

Anti-programmed death-1 and anti-programmed death ...

www.ncbi.nlm.nih.gov/pubmed/23421934 翻译此页

作者: O Hamid - 2013 - 被引用次数: 24 - 相关文章

2013年2月19日 - Anti-programmed death-1 and anti-programmed death-ligand 1

antibodies in cancer therapy. Hamid O(1), Carvajal RD. Author information:

缺少字词: digestive

Programmed cell death 1 - Wikipedia, the free encyclopedia

en.wikipedia.org/wiki/Programmed_cell_death_1 翻译此页

跳到 Cancer - Monoclonal antibodies targeting PD-1 that boost the immune system are

... PD-1 ligand; inhibition of the interaction between PD-1 and PD-L1 can ... One such

anti-PD-1 antibody drug, nivolumab, (Opdivo - Bristol Myers ...

缺少字词: digestive

Laboratory Investigation - Programmed death ligand-1 ...

www.nature.com > Journal home > Archive > Research Articles 翻译此页

作者: V Velcheti - 2014 - 被引用次数: 60 - 相关文章

2013年11月11日 - Programmed death ligand-1 expression in non-small cell lung ...

¹Solid Tumor, Oncology, Taussig Cancer Institute, Cleveland Clinic, Sections were incubated for 1 h at room temperature with Alexa 546-conjugated goat anti-rabbit ... and submitted to protease digestion followed by hybridization for 2 h ...

Blockade of Programmed Death Ligand 1 Enhances the ...

www.jimmunol.org/content/184/7/3442.full.pdf 翻译此页

作者: S Pilon-Thomas - 2010 - 被引用次数: 78 - 相关文章



Anti program death-1/anti program death-ligand 1 in digestive cancers



网页

图片

新闻

视频

更多 ▾

搜索工具

找到约 15,300,000 条结果 (用时 0.53 秒)

Laboratory Investigation - Programmed death ligand-1 ...

www.nature.com > [Journal home](#) > [Archive](#) > [Research Articles](#) ▾ [翻译此页](#)

作者: V Velcheti - 2014 - 被引用次数: 63 - 相关文章

2013年11月11日 - Programmed **death ligand-1** expression in non-small cell lung ...

¹Solid Tumor, Oncology, Taussig **Cancer** Institute, Cleveland Clinic, ... conditions and some commercial antibodies **show** lack of specificity. Sections were incubated for **1** h at room temperature with Alexa 546-conjugated goat **anti**-rabbit ...

Programmed Death Ligand 2 in Cancer-Induced Immune ...

www.hindawi.com/journals/jir/2012/656340/ ▾ [翻译此页](#)

作者: EN Rozali - 2012 - 被引用次数: 50 - 相关文章

2012年2月13日 - The programmed **death-1** receptor (PD-1), with its **ligands** PD-L1 on T cells was ligated with the same beads coated with **anti**-PD-L2, "PD-1 and PD-1 **ligands**: from discovery to clinical **application**," International Immunology, vol. ... of **intestinal** epithelial barrier protection mediated via differential signal ...

Anti-PD-1: A Novel Immunotherapy: Johns Hopkins Kimmel ...

www.hopkinsmedicine.org > ... > [Melanoma Program](#) > [Research](#) ▾ [翻译此页](#)

... and **Digestive** Center · Leukemia **Program** · Leukemia Survivors **Program** · Liver ...

The pathway includes two proteins called programmed **death-1** (PD-1), which ... and programmed **death ligand-1** (PD-L1), which is expressed on **cancer** cells. M.D., director of the melanoma **program** at Johns Hopkins, and a professor of ...