

aladdin[®] Scientific



Therapeutic Antibody

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Content

01 Immunity and Inflammation

02 Cytoskeleton

03 Angiogenesis

04 Cell Cycle

05 Neuroscience

06 Apoptosis

07 Others



Introduction

"Drug target antibodies refer to antibodies against specific drug targets. In the process of drug development, drug target antibodies can be used to study the action mechanism of drugs, drug targets, and the interaction between drugs and targets.

All products in this brochure are expressed in CHO cell lines, with a purity of greater than 95%, and are solely for research use."

Immunology and Inflammation

Cat.No	Product Name	Target	Isotype	Indications
N411994	Nivolumab	PD-1	IgG4SP	Nivolumab (anti-PD-1) is a programmed death receptor-1 (PD-1) blocking human IgG4 antibody to treat advanced (metastatic) non-small cell lung cancer.
O412011	Obinutuzumab	CD20	IgG1	Obinutuzumab (GA101) a novel glycoengineered Type II CD20 humanized IgG1 monoclonal antibody in development for non-Hodgkin lymphoma.
P411997	Pembrolizumab	PD-1	IgG4SP	Pembrolizumab is a potent, highly selective, human IgG4 monoclonal antibody targeting PD-1 with potential immune checkpoint inhibitory activity and antitumor activity.
S412013	Secukinumab	IL-17A	IgG1	Secukinumab (AIN457) is a high affinity, human monoclonal antibody targeted against interleukin (IL)-17A. Secukinumab is the first-in-class anti-IL-17 agent used for the research of plaque psoriasis, ankylosing spondylitis and psoriatic arthritis.
Ab170489	Anifrolumab	IFNAR1	IgG1	Anifrolumab is a type I interferon (IFN) receptor antagonist, which blocks the activity of IFN. Anifrolumab can be used in systemic lupus erythematosus (SLE) research.
Ab170548	Brentuximab	TNFRSF8	IgG1	Brentuximab is a chimeric monoclonal antibody targeting CD30 with antitumor activity.
Ab169276	Brodalumab	IL17RA	IgG2	Brodalumab (AMG 827) is a human anti-interleukin-17-receptor IgG2 monoclonal antibody that can be used for the research of moderate-to-severe plaque psoriasis and rheumatoid arthritis.
Ab170852	Denintuzumab	CD19	IgG1	Denintuzumab (hBU 12) is a recombinant humanized anti-CD19 monoclonal antibody, which can be used in the research of acute lymphoblastic leukemia.
Ab169274	Emapalumab	IFN γ	IgG1	Emapalumab is a monoclonal antibody against IFN γ , used in research of hemophagocytic lymphohistiocytosis (HLH).
Ab175530	Enokizumab	IL-9	IgG1	Enokizumab is a monoclonal antibody against interleukin 9 with potential immunomodulatory activity.
Ab170617	Envafolimab	PD-L1	VHH	Envafolimab blocks the interaction between PD-L1 and PD-1 and has the potential to study solid tumors.
Ab170642	Fletikumab	IL-20	IgG4SP	Fletikumab is a monoclonal antibody that targets IL-20 and can be used in studies of inflammation, such as rheumatoid arthritis.
Ab175859	Gemtuzumab	CD33	IgG4SP	Gemtuzumab is a monoclonal antibody against the CD33 antigen and can be used in the study of acute myeloid leukemia.
Ab177869	Icatolimab	BTLA	IgG4SP	Icatolimab is a recombinant human monoclonal antibody that targets the human BTLA protein. And it can neutralize the interaction between BTLA and HVEM.
Ab177879	Lumiliximab	FceR2	IgG1	Lumiliximab is a monoclonal antibody against CD23 and suppresses allergen-induced responses.
Ab170528	Mavrilimumab	CD116	IgG4SP	Mavrilimumab (CAM 3001) is a monoclonal antibody that binds to the α subunit of the granulocyte-macrophage colony stimulating factor (GM-CSF) receptor and blocks intracellular signalling downstream of GM-CSF.
Ab170275	Mepolizumab	IL-5	IgG1	Mepolizumab (SB 240563) is a humanized monoclonal antibody that binds to and neutralizes interleukin-5 (IL-5), applied to the research of eosinophilic granulomatosis with polyangiitis (EGPA) and severe eosinophilic asthma.

Immunology and Inflammation

Cat.No	Product Name	Target	Isotype	Indications
Ab170487	Mupadolimab	CD73	IgG1	Mupadolimab is a type II humanized immunoglobulin G1 monoclonal antibody that targets CD73 and has potential immunomodulatory and antitumor activity.
Ab169258	Omalizumab	IgE	IgG1	Omalizumab is a recombinant, humanized, monoclonal antibody against human immunoglobulin E (IgE) and binds to the human FcγRIIb receptors. Omalizumab has the potential for persistent allergic asthma research.
Ab169278	Pamrevlumab	CTGF	IgG1	Pamrevlumab can bind to connective tissue growth factor (CTGF) for the research of idiopathic pulmonary fibrosis (IPF).
Ab169321	Relatlimab	CD223	IgG4SP	Relatlimab is a human LAG-3 specific monoclonal antibody that can be used in cancer research.
Ab169268	Risankizumab	IL-23	IgG1	Risankizumab targets the p19 subunit of IL-23 and is applied into the research on psoriasis treatment.
Ab169315	Sabatolimab	TIM-3	IgG4SP	Sabatolimab is a potentially immunosuppressive active molecule that targets TIM-3 on immune cells and bone marrow cells.
Ab170560	Sifalimumab	IFNα1	IgG1	Sifalimumab (MEDI-545) is an anti-IFNα monoclonal antibody and suppresses the abnormal immune activity by binding to multiple interferon-alpha (IFNα) subtypes. Sifalimumab can be used in systemic lupus erythematosus (SLE) research.
Ab169289	Siltuximab	IL-6	IgG1	Siltuximab is an anti-IL-6 (interleukin-6) monoclonal antibody, and shows antitumor activity. Siltuximab can be used in Multicentric Castleman's Disease (MCD) and COVID-19 research.
Ab170646	Varlilumab	TNFRSF7	IgG1	Varlilumab is an IgG1 anti-CD27 monoclonal antibody with antitumor activity.
Ab175703	Vunakizumab	IL-17a	IgG1	Vunakizumab is a recombinant human IgGκ monoclonal antibody that targets IL-17A and inhibits its interaction with the IL-17 receptor. Vunakizumab can be used to study autoimmune diseases such as psoriatic arthritis, ankylosing spondylitis, multiple sclerosis and inflammatory arthritis.

Cytoskeleton

Cat.No	Product Name	Target	Isotype	Indications
Ab170472	Abituzumab	ITGAV	IgG2	Abituzumab is a humanised anti-integrin αV monoclonal antibody that effectively reduces the phosphorylation of FAK, Akt and ERK. Abituzumab can be used in cancer research, particularly in prostate cancer.
Ab169270	Vedolizumab	α4β7-integrin	IgG1	Vedolizumab is a humanized IgG1 monoclonal antibody that targets the α4β7 integrin for the treatment of ulcerative colitis and Crohn's disease.

Angiogenesis

Cat.No	Product Name	Target	Isotype	Indications
B411998	Bevacizumab	VEGF	IgG1	Bevacizumab is a humanized IgG1 monoclonal antibody that binds to all VEGF-A with high affinity and specificity.
C411992	Cetuximab	EGFR	IgG1	Cetuximab is a human IgG1 monoclonal antibody that inhibits EGFR and has potent antitumor effects.
P412000	Pertuzumab	HER2	IgG1	Pertuzumab is a humanized IgG1 monoclonal antibody and HER2 dimerization inhibitor, which can be used in the study of metastatic HER2-positive breast cancer.
Ab170514	Bemarituzumab	FGFR2	IgG1	Bemarituzumab is a humanized IgG1 monoclonal antibody against FGFR2b. It blocks fibroblast growth factors from binding and activating FGFR2b. Bemarituzumab has the potential for cancer research
Ab169264	Necitumumab	EGFR	IgG1	Necitumumab is a human IgG monoclonal antibody targeting EGFR, and can be used in the study of NSCLC, colorectal cancer and other cancers.
Ab169317	Panitumumab	EGFR	IgG2SA	Panitumumab is a human IgG2 anti-EGFR monoclonal antibody that inhibits tumor cell proliferation, survival and angiogenesis and can be used in cancer research, such as colon cancer.

Apoptosis

Cat.No	Product Name	Target	Isotype	Indications
Ab170470	Mirvetuximab	FOLR1	IgG1	Mirvetuximab is an anti-FOLR1 monoclonal antibody that can be used in ovarian cancer and other Fr α -positive cancers.
Ab170540	Farletuzumab	FOLR1	IgG1	Farletuzumab is a potent folate receptor- α inhibitor with a high affinity for FR α and can be used in cancer research.

Neuroscience

Cat.No	Product Name	Target	Isotype	Indications
Ab170476	Aducanumab	Amyloid Beta	IgG1	Aducanumab is a human monoclonal antibody that selectively targets aggregated amyloid-beta (A β), and can be used for Alzheimer's disease (AD) research.
Ab170576	Rovalpituzumab	DLL3	IgG1	Rovalpituzumab is a humanized monoclonal antibody targeting delta-like protein 3 with anti-small cell lung cancer activity.

Apoptosis

Cat.No	Product Name	Target	Isotype	Indications
A412006	Avelumab	PD-L1	IgG1	Avelumab is a human IgG1 anti-PD-L1 monoclonal antibody with potential antibody-dependent cell-mediated cytotoxicity.
I412009	Infliximab	TNF-alpha	IgG1	Infliximab is a chimeric monoclonal IgG1 antibody that specifically binds to TNF- α . Infliximab prevents the interaction of TNF- α with TNF- α receptor (TNFR1 and TNFR2) and with the potential for autoimmune, chronic inflammatory diseases and diabetic neuropathy research.
Ab170705	Patritumab	ERBB3	IgG1	Patritumab is a neutralizing monoclonal antibody to ERBB3, potently inhibiting the phosphorylation of EGFR, HER2, HER3, ERK, and AKT. Patritumab also induces cell apoptosis and suppresses the growth of pancreatic, non-small cell lung cancer, and colorectal cancer xenograft tumors.

Others

Cat.No	Product Name	Target	Isotype	Indications
Ab175510	Dinutuximab	GD2	IgG1	Dinutuximab is a chimeric, human-murine, anti-GD2 monoclonal antibody that can prolong event-free survival and overall survival. The combination of granulocyte-macrophage colony-stimulating factor (GM-CSF), interleukin-2, and isotretinoin can be used to the study of high-risk neuroblastoma treatment.
Ab170499	Emicizumab	Factor IX	IgG4SP	Emicizumab is a bispecific monoclonal antibody that links activator IX and activator X to replace the function of missing activator VIII, thereby restoring hemostasis. Emicizumab can be used in hemophilia A studies.
Ab170877	Enfortumab	NECTIN4	IgG1	Enfortumab is a monoclonal antibody targeting Nectin-4 that can be used in the study of urothelial cancer.
Ab170952	Prezalumab	B7-H2	IgG2SA	Prezalumab is a human IgG2 monoclonal antibody targeting ICOSL and BAFF for the study of cutaneous lupus erythematosus in Sjogren's syndrome, psoriasis and systemic lupus erythematosus.
Ab169313	Sacituzumab	TROP2	IgG1	Sacituzumab is a humanized IgG1 monoclonal antibody for anti-trophoblast cell-surface antigen 2 (anti-Trop-2) with the potential for metastatic triple-negative breast cancer research.
Ab177925	Sirtratumab	SLITRK6	IgG2	Sirtratumab is a humanized IgG2 monoclonal antibody against SLIT and NTRK-like family 6 that can be used in cancer research.
Ab170644	Zilovertamab	ROR1	IgG1	Zilovertamab is a humanized anti-ROR1 monoclonal antibody that blocks the ROR1 signaling pathway induced by Wnt5a.
Ab169262	Evinacumab	ANGPTL3	IgG4SP	Evinacumab is a humanized monoclonal antibody against ANGPTL3 that can be used in the study of homologous familial hypercholesterolemia, refractory hypercholesterolemia and severe hypertriglyceridemia.

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