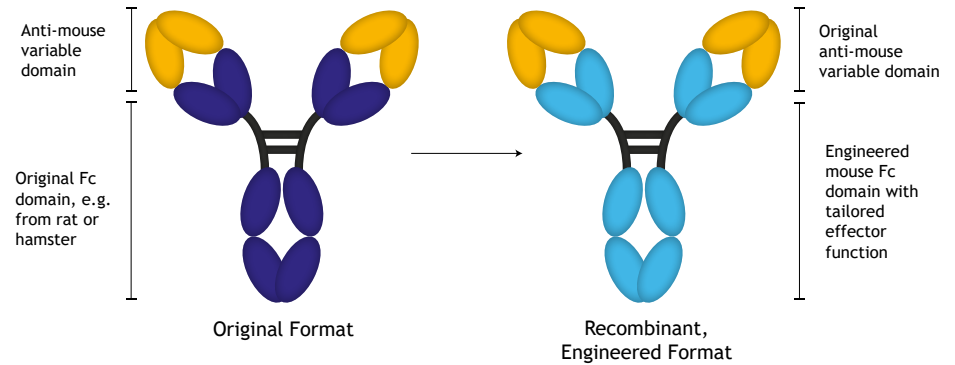




VivopureX™ Recombinant Antibodies for *In Vivo* Research

Engineered mouse antibodies available at bulk discounts

VivopureX™ antibodies are recombinant mouse antibodies ideal for *in vivo* research in mouse models. The collection consists of popular antibody clones, many originally obtained from rats or hamsters, which Absolute Antibody has engineered into mouse-anti-mouse recombinant versions to improve research results.



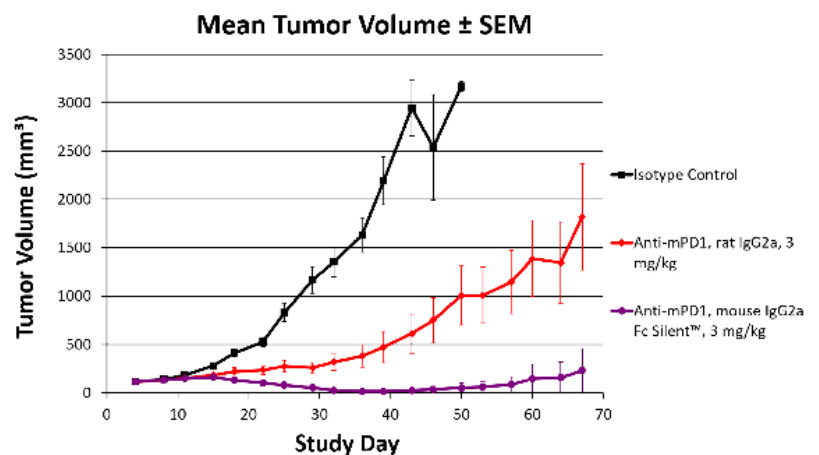
Our VivopureX™ Antibody Collection

The VivopureX™ collection includes a selection of our most exciting mouse-anti-mouse antibodies, now available at competitively priced bulk prices. All are available in discounted bulk sizes ranging from 1 mg to 100 mg, as well as our standard 200 µg size. View available targets on the back, and check our website for new additions.

Benefits of Species-Matched Antibodies

Our VivopureX™ antibodies offer many advantages compared to the original antibody format, as illustrated by our data below. In this example, our recombinant mouse PD-1 antibody based on the widely used clone RMP1-14 reduced tumor size in a mouse model more effectively than the original rat version. You can download the full data set on our website.

- **Reduced immunogenicity:** no neutralizing antibodies are induced in the host organism, meaning the antibody works for longer and cohorts respond more consistently
- **Tailored effector function:** the antibody format has been engineered to suit its most popular applications
- **Increased potency:** less antibody is required to achieve the same response in mouse models
- **Batch-to-batch reproducibility:** recombinant production ensures the highest possible reproducibility, while guaranteeing high purity and low endotoxin levels



Mean tumor sizes in animals treated with PD-1 mouse IgG2a Fc Silent™ antibody based on clone RMP1-14 (Ab00813-2.3) are significantly smaller than in animals treated with the traditional rat IgG2a antibody (Ab00813-7.1).



Antibody Name [Clone]	Engineered Format	Top Application	Available Bulk Sizes
Anti-OX40/CD134 [OX86]	Mouse IgG1 or IgG2a	Agonism	1, 5, 10, 25, 50, 100 mg
Anti-PD-1 [RMP1-14]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-CTLA-4 [9D9]	Mouse IgG2a or Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-GITR [DTA-1]	Mouse IgG2a	Agonism	1, 5, 10, 25, 50, 100 mg
Anti-CD25 [PC-61.5.3]	Mouse IgG2a	Depletion	1, 5, 10, 25, 50, 100 mg
Anti-TIGIT [1B4]	Mouse IgG1 or Mouse IgG2a	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-Lag3 [C9B7W]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-CD96 [6A6]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-IL-10R [1B1.3a]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-BTLA [HMBT-6B2]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-Tim-4 [3A1]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-Tim-4 [5G3]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-TIM-2 [RMT2-14]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-Tim-1 [3B3]	Mouse IgG1	Agonism	1, 5, 10, 25, 50, 100 mg
Anti-Tim-3 [2C12]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-CD115/M-CSFR [AFS98]	Mouse IgG2a	Depletion	1, 5, 10, 25, 50, 100 mg
Anti-PD-L1 [10F.9G2]	Mouse IgG2b or Mouse IgG2b Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-IFN-gamma receptor 1 {GR20}	Mouse IgG2b Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-VISTA [13F3]	Mouse IgG2b Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-CD20 [18B12]	Mouse IgG2a	Depletion	1, 5, 10, 25, 50, 100 mg
Anti-CD4 epitope A [YTS 177.9]	Mouse IgG2a	Depletion	1, 5, 10, 25, 50, 100 mg
Anti-CD4 epitope A [YTS 191.1]	Mouse IgG2a	Depletion	1, 5, 10, 25, 50, 100 mg
Anti-CD8 alpha/Lyt-2 [YTS 169.4]	Mouse IgG2a	Depletion	1, 5, 10, 25, 50, 100 mg
Anti-Ly6G [1A8]	Mouse IgG2a	Depletion	1, 5, 10, 25, 50, 100 mg
Anti-CD200R [OX131]	Mouse IgG1 Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-PD-L2 [TY25]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-Ly6G/Ly6C [RB6-8C5]	Mouse IgG2a	Depletion	1, 5, 10, 25, 50, 100 mg
Anti-Galectin 9 [RG9-35]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-CD153 [RM153]	Mouse IgG2a or Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-CD155 [3F1]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-CD226 [10E5]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-CD45R [RA3-6B2]	Mouse IgG2a	Depletion	1, 5, 10, 25, 50, 100 mg
Anti-CD19 [6D5]	Mouse IgG2a	Depletion	1, 5, 10, 25, 50, 100 mg
Anti-HVEM [HMHV-1B18]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-CD27 [RM27-3E5]	Mouse IgG1	Agonism	1, 5, 10, 25, 50, 100 mg
Anti-CD22 [OX-97]	Mouse IgG2a Fc Silent™	Blocking	1, 5, 10, 25, 50, 100 mg
Anti-CD47 [mIAP301]	Mouse IgG2b Fc Silent™	Blocking	10, 25, 50 mg