InVivoMAb抗小鼠CD8α抗体

InVivoMAb anti-Mouse CD8 alpha Antibody

货号：RB9T37030291

在您使用本产品前请认真阅读说明书，这对您顺利完成实验很有帮助。

产品编码
RB9T37030291

中文名称
InVivoMAb抗小鼠CD8α抗体

英文名称
InVivoMAb anti-Mouse CD8 alpha Antibody

形态
Liquid

纯度
>95% as determined by SDS-PAGE.

内毒素水平
Please contact with the lab for this information.

应用
Neutralization

登录号
P01731

宿主种属
Rat

克隆性
Monoclonal

抗体亚型
IgG2a, kappa

纯化方式
Protein A/G purified from cell culture supernatant.

浓度
0.87 mg/ml

种属反应性

Mouse

靶标

T-cell surface glycoprotein CD8 alpha chain, T-cell surface glycoprotein Lyt-2, CD8a, Cd8a, Lyt-2, Lyt2

产品描述

Iv0165 is a rat IgG2a monoclonal antibody targeting CD8α. It is widely used to block CD8+ T cell activity in mice without depleting the cells in vivo. Functionally, Iv0165 can induce tolerance in xenograft transplantation models and reduce the incidence of insulin-dependent diabetes mellitus (IDDM) in NOD mice. Structurally, Iv0165 binds CD8α at residues that overlap with the class I pMHC binding site, including Glu6, Arg8, and Glu27, forming hydrogen bonds with specific antibody residues (e.g., TyrL53, TyrH100, AsnL32). By occupying this epitope, Iv0165 likely interferes with CD8α interactions with class I MHC and TL molecules, blocking T cell co-receptor function.

储存缓冲液

0.01M PBS, pH 7.4.

稳定性和储存

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4° C short term (1-2 weeks). Store at -20° C 12 months. Store at -80° C long term.

For research use only. Not suitable for clinical or therapeutic use.