

## Product datasheet

# Anti-CD4 antibody [GK1.5] (Allophycocyanin) ab25497

### 製品の概要

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製品名	Anti-CD4 antibody [GK1.5] (Allophycocyanin)
製品の詳細	Rat monoclonal [GK1.5] to CD4 (Allophycocyanin)
由来種	Rat
標識	Allophycocyanin. Ex: 645nm, Em: 660nm
アプリケーション	<b>適用あり:</b> Flow Cyt
種交差性	<b>交差種:</b> Mouse
免疫原	Tissue/ cell preparation (Mouse) - cloned mouse CTL line V4.
特記事項	This antibody blocks helper T cell responses to MHC class II antigens, including cytolysis, proliferation, allogeneic B cell help, and release of lymphokines.

### 製品の特性

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製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at +4°C. It is important to note that this product is reported to be light sensitive.
バッファー	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.142% Dibasic monohydrogen sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin
精製度	Affinity purified
特記事項(精製)	Purified from TCS
一次抗体 備考	This antibody blocks helper T cell responses to MHC class II antigens, including cytolysis, proliferation, allogeneic B cell help, and release of lymphokines.
ポリ/モノ	モノクローナル
クローン名	GK1.5
アイソタイプ	IgG2b
軽鎖の種類	kappa

### アプリケーション

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Our [Abpromise guarantee](#) covers the use of **ab25497** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
Flow Cyt		Use at an assay dependent concentration.

## ターゲット情報

機能	Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts.
配列類似性	Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
翻訳後修飾	Palmitoylation and association with LCK contribute to the enrichment of CD4 in lipid rafts.
細胞内局在	Cell membrane. Localizes to lipid rafts. Removed from plasma membrane by HIV-1 Nef protein that increases clathrin-dependent endocytosis of this antigen to target it to lysosomal degradation. Cell surface expression is also down-modulated by HIV-1 Envelope polyprotein gp160 that interacts with, and sequesters CD4 in the endoplasmic reticulum.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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