

For Research Use Only

FITC Plus Anti-Rat CD4 (OX-35)

Catalog Number: FITC-65179 **1 Publications**



Basic Information

Catalog Number:

FITC-65179

Size:

100ug, 0.5 mg/ml

Source:

Mouse

Isotype:

IgG2a, kappa

GenBank Accession Number:

GeneID (NCBI):

24932

Full Name:

Cd4 molecule

Purification Method:

The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

CloneNo.:

OX-35

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

Rat

Cited Species:

rat

Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, majority of thymocytes, monocytes, macrophages, and dendritic cells (PMID: 9304802; 12213222). CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction. It plays an important role in T helper cell development and activation (PMID: 9539765; 3112582). CD4 serves as a receptor for the human immunodeficiency virus (HIV) (PMID: 9304802).

Notable Publications

Author	Pubmed ID	Journal	Application
Hongdou Jin	38367899	Biochim Biophys Acta Mol Basis Dis	FC

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide.

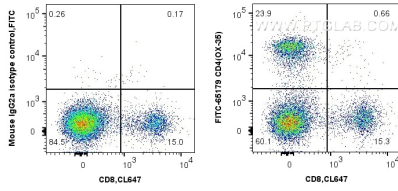
For technical support and original validation data for this product please contact:

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Selected Validation Data



1X10⁶ rat splenocytes were surface co-stained with Coralite® Plus 647 Anti-Rat CD8a (OX-8) and 0.25 ug FITC Anti-Rat CD4 (FITC-65179, Clone: OX-35) or 0.25 ug FITC Plus Mouse IgG2a Isotype Control (C1.18.4) (FITC-65208, Clone: C1.18.4). Cells were not fixed.