

For Research Use Only

Anti-Human CD4 (SK3), PBS Only

Catalog Number: 65147-1-PBS



Basic Information

Catalog Number: 65147-1-PBS	GenBank Accession Number: BC025782	Purification Method: Affinity purification
Size: 100ug, 1mg/ml	GeneID (NCBI): 920	CloneNo.: SK3
Source: Mouse	ENSEMBL Gene ID: ENSG00000010610	Affinity: $K_D=8.82 \times 10^{-11}M$
Isotype: IgG1, kappa	Full Name: CD4 molecule	$K_{off}=2.00 \times 10^{-5}M$
	Calculated MW: 55 kDa	$K_{on}=2.26 \times 10^5M$

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
Human

Product Information

65147-1-PBS targets CD4 as part of a matched antibody pair:

MP50077-1: 65147-1-PBS capture and 68688-1-PBS detection (validated in Sandwich ELISA)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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