

Recombinant Rhesus Monkey PI16 Protein

Cat. No. PI16-1788R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rhesus monkey PI16 Protein (XP_014991646 (aa.29-400)) was expressed in human HEK293 cells.
Species	Rhesus macaque
Source	HEK293
ProteinLength	29-400 a.a.
Description	CD363 is a member of the cysteine-rich secretory protein (CRISP) family and is likewise known as CRISP9. PI-16 is a putative serine protease inhibitor and can serve as a binding protein for PSP94 (prostate secretory protein of 94 amino acids) termed PSPBP. Serum levels of PSP94 and PI-16 can reportedly serve as key targets for prostate cancer research. PI-16 is highly expressed by the activated/memory, FoxP3-bright subsets of regulatory T cells. PI-16-positive regulatory T cells expressed uniformly high levels of the chemokine receptors, CCR4 and CCR6, when compared with PI-16-negative T regulatory cells. The results suggest that the CCR4+CCR6+ regulatory T cells are capable of homing to inflammatory sites and regulating effector T cells such as CCR4+CCR6+ Th17-like cells. PI-16 is also expressed by subsets of memory CD4+ and CD8-bright T cells. It is not expressed by B cells or monocytes.
Form	PBS, pH7.4.
Purity	> 95 %

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Applications	ELISA; WB; Immunogen
Storage	-80 centigrade, Avoid freeze/thaw cycle.
Concentration	1 mg/mL
GENE INFORMATION	
Gene Name	PI16 peptidase inhibitor 16 [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	PI16
Synonyms	PI16; peptidase inhibitor 16; protease inhibitor 16; dJ90K10.5; MGC45378; microseminoprotein; beta binding protein; MSMBBP; PSP94-binding protein; cysteine-rich secretory protein 9; microseminoprotein; beta-binding protein; PSPBP; CRISP9; DKFZp586B1817;
Gene ID	719301
mRNA Refseq	XM_015136160.1
Protein Refseq	XP_014991646

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