



Recombinant Human CCR2b VLP (DAG-WT1242)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	Human
Purity	> 95% as determined by HPLC
Conjugate	N/A
Applications	ELISA, SPR
Molecular Weight	42.9 kDa
Reconstitution	Reconstituting to a concentration more than 100 ug/ml is recommended. Dissolve the lyophilized protein in distilled water.
Format	Lyophilized
Size	100 µg, 500 µg
Buffer	Lyophilized from 0.22um filtered solution in PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization
Preservative	None
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week

BACKGROUND

Introduction	Monocyte chemoattractant protein-1 (MCP-1) plays a pivotal role in the development of the inflammatory response.1 MCP-1 expression increases at injury sites to direct macrophage recruitment. Mechanistically, MCP-1 binds to the inducible C-C chemokine receptor 2 (CCR2)
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to promote chemotaxis. There are 2 known subtypes of CCR2, CCR2a and CCR2b. CCR2b is 5-fold more potent than CCR2a in inducing macrophage chemotaxis.

Keywords	CCR2b; Chemokine receptor CCR2b
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GENE INFORMATION

UniProt ID	P41597-2
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