

1Anti-ADAM9, AlpHcAbs® Human antibody

Summary

Cat.No	300-547-001
Immunogen	Recombinant human CCR2
Host	Alpaca pacous
Isotype	Human IgG1
Conjugate	Unconjugated
Specificity	Human CCR2
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300, 50% Glycerol
Storage	Store at -20 °C, (Avoid freeze / thaw cycles)

Description

Anti-CCR2, AlpHcAbs® Human antibody is designed for detecting human CCR2 specifically. Based on ELISA and/or FCM, Anti-CCR2, AlpHcAbs® Human antibody reacts with human CCR2 specifically.

Background:

CCR2, a chemokine receptor, is a regulator of monocyte/macrophage traffickings and is upregulated in response to inflammation. Resistance to HIV-1 infection or delayed progression to AIDS may be linked to CCR2 polymorphisms. The ligand for CCR2 is monocyte chemoattractant protein (MCP-1), a chemokine produced by endothelial cells, smooth muscle cells, and macrophages. Activation of monocytes by MCP-1 may mediate the monocytic infiltration of tissues in atherosclerosis and other inflammatory disorders including rheumatoid arthritis, alveolitis, and tumor infiltration. Two isoforms are produced by alternative splicing. CCR2 has been reported to be expressed in a wide variety of tissues, including blood, brain, heart, kidney, liver, lung, ovary, pancreas, spinal cord, spleen, thymus, and vessel. Increased expression of CCR2 has been documented in CD3+ lymphocytes in rheumatoid arthritis. ESTs have been isolated from liver/spleen and prostate libraries. Benefits:

High lot-to-lot consistency

Increased sensitivity and higher affinity

Animal-free production

Benefits

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Application notes

ELISA: 1:5000 -1:20000

Flow Cyt: 1:200-1:1000

Dilution factors are presented in the form of a range because the optimal dilution is a function of many factors, such as antigen density, permeability, etc. The actual dilution used must be determined empirically.

This product is for research use only and is not approved for use in humans or in clinical