

45-1046: Mouse Monoclonal Antibody to Human RANTES (Clone : 2H8G2)(Discontinued)

Clonality :	Monoclonal
Clone Name :	2H8G2
Application :	ELISA
Reactivity :	Human
Gene :	CCL5
Gene ID :	6352
Uniprot ID :	P13501
Format :	Purified
Alternative Name :	CCL5 mAb, EoCP, Eosinophil chemotactic cytokine, SIS-delta, Small-inducible cytokine A5, T cell-specific protein P228, T-cell-specific protein RANTES
Isotype :	Mouse IgG1, I^{g}
Immunogen Information :	purified full length human recombinant RANTES protein

Description

RANTES is a chemoattractant for blood monocytes, memory T helper cells, and eosinophils. It causes the release of histamine from basophils and activates eosinophils and binds to CCR1, CCR3, CCR4, and CCR5. It is also one of the major HIV suppressive factors produced by CD8+ T cells. Recombinant RANTES protein induces a dose dependent inhibition of different strains of HIV HIV 2, and simian immunodeficiency virus (SIV). Induced by mitogens, it is T cell and macrophage specific and belongs to the intercrine beta (chemokine CC) family. Human RANTES Antibody (2H8G2), mAb, Mouse is produced from the hybridoma resulting from fusion of Sp2/0 myeloma and lymphocytes obtained from mouse immunized with purified full length human recombinant RANTES protein (Swiss Prot: P13501).

Product Info

Amount :	40 μg
Purification :	Protein A chromatography
Content :	0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide
Storage condition :	The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at $2-8^{\circ}\text{C}$. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Application Note

ELISA Capture: 0.5-10 $\mu\text{g/ml}$

ELISA Detection: 0.05-0.2 $\mu\text{g/ml}$

Western Blot: 1-2 $\mu\text{g/ml}$

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

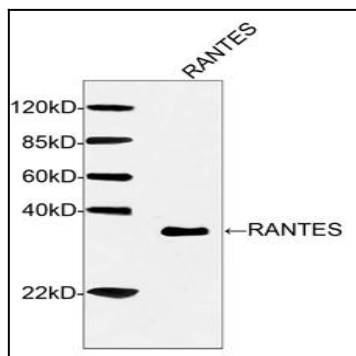


Figure-1 : Western blot analysis of Human RANTES Antibody (Clone: 2H8G2) at 1 μ g/ml on human recombinant RANTES fusion protein. IRDye 800 Conjugated Goat Anti-Mouse IgG was used as secondary antibody.