

## DATASHEET

Version: 2016-08-17

### Human RANTES Antibody (4A10F2), mAb, Mouse

**Cat. No.:** A01479-40

**Size:** 40 µg

**Synonyms:** Mouse anti RANTES mAb; Mouse anti CCL5 mAb

#### 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 1, 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.

**GenScript Human RANTES Antibody (4A10F2), 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).

**Immunogen:** Purified full length human recombinant RANTES protein (Swiss Prot: P13501)

**Host:** Mouse

**Antigen Synonyms:** Human

**Conjugation:** Unconjugated

**Fusion Partner:**

Spleen cells were fused with SP2/0-Ag14 mouse myeloma cells.

#### Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

**Clone:** 4A10F2

**Ig Subclass:** IgG2b,k

**Specificity:** GenScript Human RANTES Antibody (4A10F2), mAb, Mouse detects human RANTES protein.

**Purification:** Protein A affinity column

#### Applications:

**Western Blot:** 0.5–1.0 µg/ml

**Other Applications:** user-optimized

**Species Reactivity:** Human. Reactivity to other species has not been tested yet.

#### Reconstitution:

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

#### Storage:

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°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

#### Example



Western blot analysis of human recombinant RANTES fusion protein using Human RANTES Antibody (4A10F2), mAb, Mouse (GenScript, A01479, 1 µg/ml). The signal was developed with IRDye™ 800 Conjugated Goat Anti-Mouse IgG. Predicted Size: 36 KD. Observed Size: 36 KD.