



Anti-human CRTAM Antibody

ORDERING INFORMATION

Catalog Number: AF1695

Lot Number: JNC01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS
with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human CRTAM
extracellular domain

Immunogen: NS0-derived rhCRTAM
extracellular domain

Ig Type: goat IgG

Applications: Western blot
ELISA capture

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant human Class I Restricted T cell Associated Molecule (rhCRTAM) extracellular domain. Human CRTAM specific IgG was purified by human CRTAM affinity chromatography. CRTAM is a type I transmembrane protein belonging to the Ig superfamily. CRTAM may be an important activation marker for CD8⁺ and natural killer T (NKT) cells.¹

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize human CRTAM in ELISAs and Western blots.

Applications

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human CRTAM. The detection limit for rhCRTAM is approximately 5 ng/lane under non-reducing and reducing conditions.

ELISA capture - This product can be used as a capture reagent in a human CRTAM sandwich immunoassay in combination with biotinylated human CRTAM detection antibody (Cat. # BAF1695) and recombinant human CRTAM (Cat. # 1695-CR) as the standard. The suggested coating concentration range is 0.2 - 0.8 µg/mL and should be titrated to determine the optimal concentration. A general protocol is provided at www.RnDSystems.com/MAPELISA. In this format, less than 2% cross-reactivity is observed with rmCRTAM.

Optimal dilutions should be determined by each laboratory for each application.

Reference:

1. Kennedy, J. *et al.*, 2000, J. Leukoc. Biol. **67**:725.