

# **Human CRTH-2 Antibody**

Monoclonal Mouse IgG<sub>2A</sub> Clone # 301109 Catalog Number: MAB33381

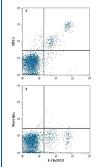
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects human CRTH-2. Stains human CRTH-2-transfected cells but not parental cells.		
Source	Monoclonal Mouse IgG <sub>2A</sub> Clone # 301109		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	NS0 mouse myeloma cell line transfected with human CRTH-2 Met1-Ser395 Accession # Q9Y5Y4		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

# APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information Section on our website.			
	Recommended	Sample	
	Concentration	·	
Flow Cytometry	2.5 μg/10 <sup>6</sup> cells	See Below	
CyTOF-ready	Ready to be labeled u with conjugation.	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

### DATA

# Flow Cytometry



Detection of CRTH-2 in Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes were stained with Mouse Anti-Human IL-3 Ra/CD123 PE-conjugated Monoclonal Antibody (Catalog # FAB301P) and either (A) Mouse Anti-Human CRTH-2 Monoclonal Antibody (Catalog # MAB33381) or (B) Mouse IgG2A Isotype Control (Catalog # MAB003) followed by Allophycocyanin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B).

#### PREPARATION AND STORAGE Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS.

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

\*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied.

- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

# BACKGROUND

CRTH-2, also known as GPR44, is a 7TM G protein-coupled receptor that is expressed by activated Th2 cells and eosinophils. CRTH-2 binds Prostaglandin D2 and induces chemotaxis of these cells in allergic and inflammatory immune responses. Human and mouse CRTH-2 share 78% amino acid sequence identity.

Rev. 2/5/2019 Page 1 of 1

