

DESCRIPTION

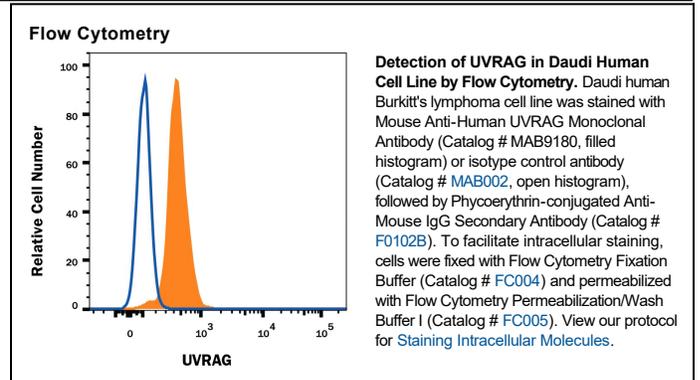
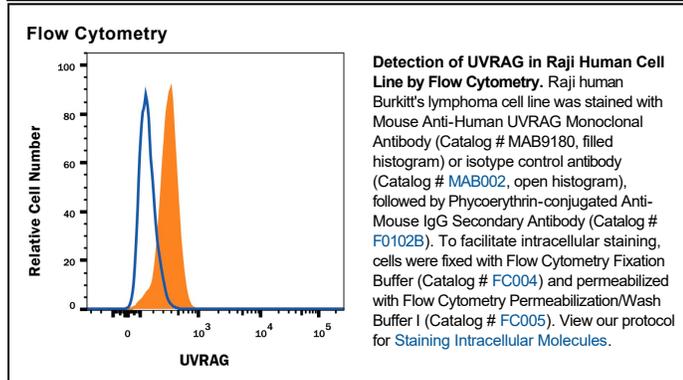
Species Reactivity	Human
Specificity	Detects human UVRAG in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 953035
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human UVRAG synthetic peptide corresponding to sequences between amino acids 260-360 Accession # Q9P2Y5
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 Concentration	Sample
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



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. <ul style="list-style-type: none"> • 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

UV radiation resistance-associated gene protein, or UVRAG, is a multi-function protein of 699 amino acids involved in the regulation of cellular pathways implicated in membrane trafficking. UVRAG activates the Beclin-1-PI3KC3 complex, a critical element in the autophagy signaling pathway. Binding studies show that UVRAG and Beclin-1 directly interact via their coiled-coil domains and that Beclin-1 functions as a platform for the formation of the Bcl-2-UVRAG-PI3KC3 complex. Chromosomal aberrations involving the UVRAG gene are associated with left-right axis malformation, and mutations in the gene have been associated with colon cancer.