

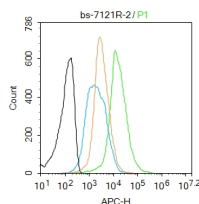
bs-7121R**[Primary Antibody]****Bioss**
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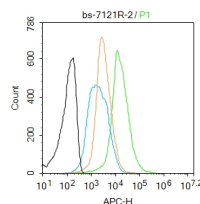
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Rad23 Rabbit pAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**Target:** Rad23**Immunogen:** KLH conjugated synthetic peptide derived from YEAST Rad23: 51-150/398.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** The RAD23 gene of *Saccharomyces cerevisiae* is required for excision-repair of UV damaged DNA (1). RAD23 resembles the other DNA repair genes, RAD2, RAD6, RAD7, RAD18, and RAD54, all of which also exhibit increased transcription in response to DNA damage and during meiosis (2). RAD23 encodes a nuclear protein containing a ubiquitin-like domain required for biological function (3). RAD23 bears a ubiquitin-like domain at its amino terminus and this ubiquitin-like domain affects protein function in a nonproteolytic manner (3). Rad23 is a highly conserved protein involved in nucleotide excision repair (NER) that associates with the proteasome via its amino-terminus (4). Its carboxy-terminal ubiquitin-associated domain is evolutionarily conserved from yeast to humans (4). In addition to a role in DNA repair events in yeast, several lines of evidence indicate that the Rad23 protein may regulate the activity of the 26 S proteasome (5).**Applications:** Flow-Cyt (2ug/Test)**Reactivity:** Mouse
(predicted: *Saccharomyces cerevisiae*, Yeast)**Predicted MW.:** 44 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

Blank control: Mouse spleen. Primary Antibody (green line): Rabbit Anti-Rad23 antibody (bs-7121R) Dilution: 2µg / 10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



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