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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Human CRM1 DyLight® 488 conjugated XPO1 Antibody (monoclonal, 5G3)

Catalog Number: M01180-Dyl488

About XPO1

Exportin 1 (XPO1), also known as chromosomal maintenance 1 (CRM1), is an eukaryotic protein that mapped to human chromosome 2p16 by fluorescence in situ hybridization. This protein mediates leucine-rich nuclear export signal (NES)-dependent protein transport. It specifically inhibits the nuclear export of Rev and U snRNAs. Additionally, this protein is involved in the control of several cellular processes by controlling the localization of cyclin B, MPAK, and MAPKAP kinase 2. It also regulates NFAT and AP-1.

Overview

Product Name	Anti-Human CRM1 DyLight® 488 conjugated XPO1 Antibody (monoclonal, 5G3)
Reactive Species	Human
Description	Boster Bio Anti-Human CRM1 DyLight® 488 conjugated XPO1 Antibody (monoclonal, 5G3) catalog # M01180-Dyl488. Tested in Flow Cytometry applications. This antibody reacts with Human.
Conjugate	DyLight®488
Application	Flow Cytometry
Clonality	Monoclonal 5G3
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	O14980

Technical Details

Immunogen	E.coli-derived human CRM1 recombinant protein (Position: N966-D1071). Human CRM1 shares 93.4% and 91.5% amino acid (aa) sequence identity with mouse and rat CRM1, respectively.
Predicted Reactive Species	Human
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.

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Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Flow Cytometry, 1-3ug/1x10^6 cells

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Anti-Human CRM1 DyLight® 488 conjugated XPO1 Antibody (monoclonal, 5G3) (M01180-Dyl488) Images

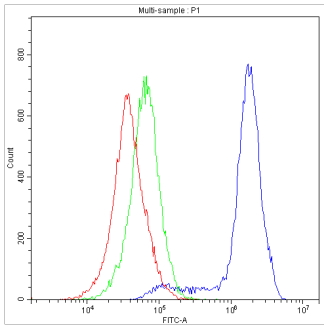

Figure 1. Flow Cytometry analysis of K562 cells using anti-Human CRM1 antibody (M01180-Dyl488).
Overlay histogram showing K562 cells stained with M01180-Dyl488 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-Human CRM1 Antibody (M01180-Dyl488,1ug/1x10^6 cells) for 30 min at 20°C. Isotype control antibody (Green line) was mouse IgG (1ug/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.