

## **Human/Mouse Crk Antibody**

Monoclonal Mouse IgG<sub>2B</sub> Clone # 463414 Catalog Number: MAB4316

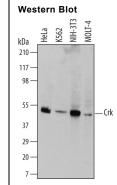
DESCRIPTION	
Species Reactivity	Human/Mouse
Specificity	Detects human Crk in direct ELISAs and human and mouse Crk in Western blots.
Source	Monoclonal Mouse IgG <sub>2B</sub> Clone # 463414
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human Crk Gln205-Ser304 Accession # P46108
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
Western Blot	1 μg/mL	See Below

## DATA



Detection of Human and Mouse Crk by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, K562 human chronic myelogenous leukemia cell line, NIH-3T3 mouse embryonic fibroblast cell line, and MOLT-4 human acute lymphoblastic leukemia cell line. PVDF Membrane was probed with 1 µg/mL of Mouse Anti-Human/Mouse Crk Monoclonal Antibody (Catalog # MAB4316) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Crk at approximately 46 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot

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Reconstitution Sterile PBS to a final concentration of 0.5 mg/mL.

**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

- 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**

Crk belongs to a family of adaptor molecules that are widely expressed in numerous tissues. It was originally isolated from a chicken tumor sample, and despite lacking enzymatic activity, this protein is involved in many signal transduction pathways leading to phosphorylation of multiple proteins. Crk forms multi protein complexes via it's SH2 (aa 13-118) and SH3 (aa 132-192 and aa 237-296) domains leading to activation of downstream molecules involved in growth, differentiation, cell adhesion and migration. Alternate splicing generates an additional isoform that lacks aa 205-304.

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