

## DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human/Mouse                                                                                                                                                                                                                                                                 |
| <b>Specificity</b>        | Detects human Crk in direct ELISAs and human and mouse Crk in Western blots.                                                                                                                                                                                                |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 463414                                                                                                                                                                                                                           |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human Crk<br>Gln205-Ser304<br>Accession # P46108                                                                                                                                                                                        |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## 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.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

## PREPARATION AND STORAGE

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied                          |

## 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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