

## DESCRIPTION

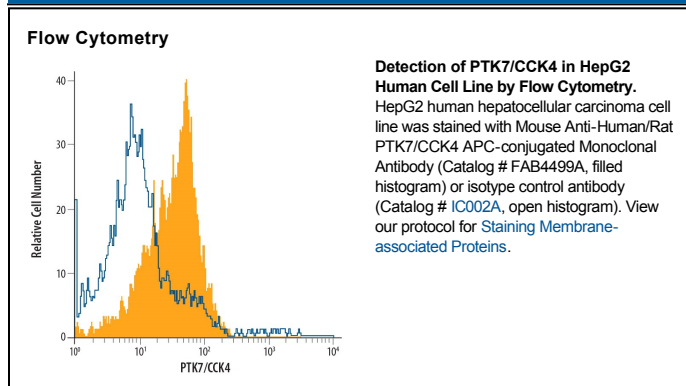
<b>Species Reactivity</b>	Human/Rat
<b>Specificity</b>	Detects human and rat PTK7/CCK4 in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 525222
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human PTK7/CCK4 Ala31-Ser199 Accession # Q13308
<b>Conjugate</b>	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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.

	Recommended Concentration	Sample
<b>Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## 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>	<b>Protect from light. Do not freeze.</b> ● 12 months from date of receipt, 2 to 8 °C as supplied.

## BACKGROUND

Protein tyrosine kinase 7 (PTK7), also known as colon carcinoma kinase 4 (CCK4), is a receptor tyrosine kinase (RTK) involved in colon carcinoma development and/or proliferation. Similar to the RTK HER3, PTK7 contains a catalytically inactive tyrosine kinase domain, suggesting a potential tumor-characteristic role as a signal amplifier or modulator for an as yet unidentified kinase-competent partner. PTK7 may also play a role during gastrulation in the rodent embryo.