

DESCRIPTION

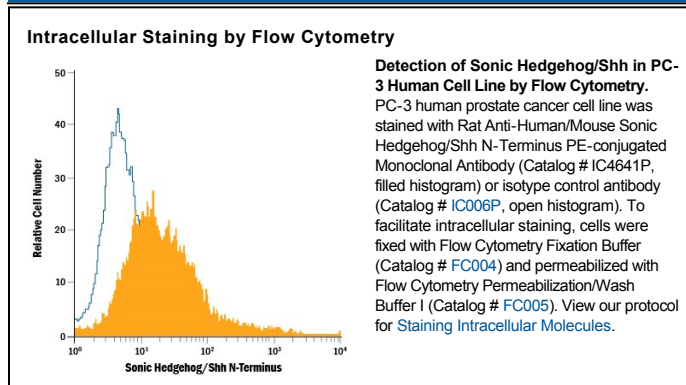
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Sonic Hedgehog/SHH in Western blots and mouse Sonic Hedgehog/SHH in ELISAs. In Western blots, approximately 50% cross-reactivity with recombinant mouse (rm) Desert Hedgehog/Dhh (N-terminus; aa 23-198) is observed and no cross-reactivity with rmlndian Hedgehog/lhh (N-terminus; aa 66-240), rmDesert Hedgehog/Dhh (C-terminus; aa 199-396), or rmSonic Hedgehog/Shh (C-terminus; aa 199-437) is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 171018
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Sonic Hedgehog/SHH N-terminus Cys25-Gly198 (Lys122Arg) Accession # Q62226
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	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
Intracellular Staining by Flow Cytometry	10 μ L/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Sonic Hedgehog (Shh) is a hedgehog protein that is instrumental in patterning the early embryo. The N-terminal peptide of Shh is released by autoproteolysis and functions through interactions with a multicomponent receptor complex containing the transmembrane proteins Patched and Smoothed.