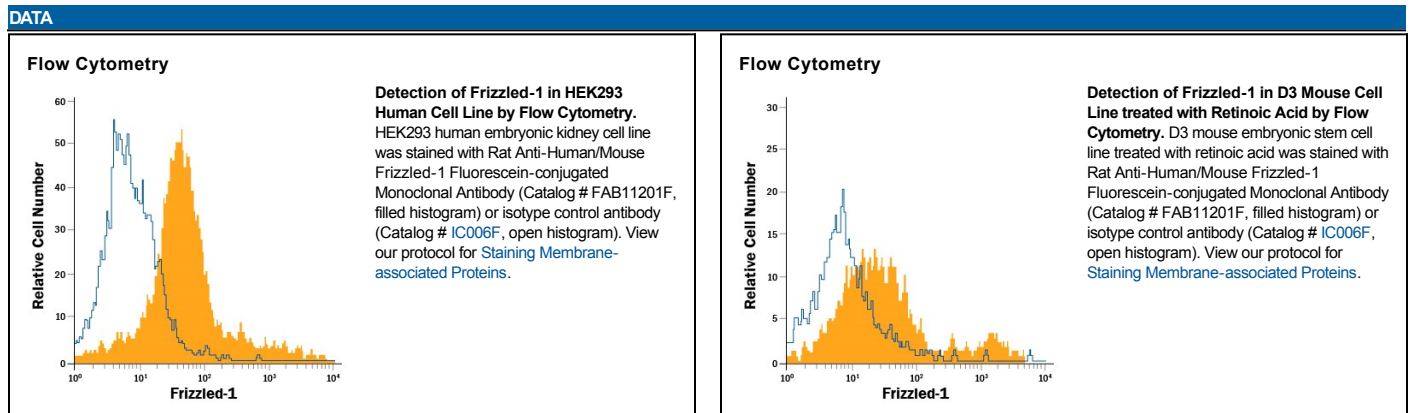


DESCRIPTION	
Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Frizzled-1 in direct ELISAs and Western blots. In direct ELISAs, approximately 30% cross-reactivity with recombinant mouse (rm) Frizzled-9 is observed and no cross-reactivity with recombinant human (rh) Frizzled-5, rm Frizzled 2, 3, 4, 6, 7, 8, or rhMFRP is observed.
Source	Monoclonal Rat IgG _{2A} Clone # 162531
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Frizzled-1 Gln1-His248 (Met122Ile) Accession # O70421
Conjugate	Fluorescein Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm (FITC)
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. <i>General Protocols</i> are available in the <i>Technical Information</i> section on our website.		
	Recommended Concentration	Sample
Flow Cytometry	10 μ L/10 ⁶ cells	See Below



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

Members of the Fz/Smo family of proteins serve as receptors in the Wnt signaling pathway and are involved in a variety of developmental processes. Frizzled-1 (Fzd-1) is a 75-80 kDa 7-transmembrane glycoprotein found on chondrocytes and in the presynaptic membranes of neurons. It is also reported to be found on fibroblasts, osteoblasts, endothelium and vascular smooth muscle, and in the embryo in mesoderm. Fzd-1 interacts with LRP-5 to generate a receptor complex for Wnts. Wnts known to bind Fzd-1 include Wnt-1, -2, -3, -3a, and -8. Over amino acids (aa) 1-248, human and mouse Fzd-1 share 87% aa sequence identity.