

DESCRIPTION

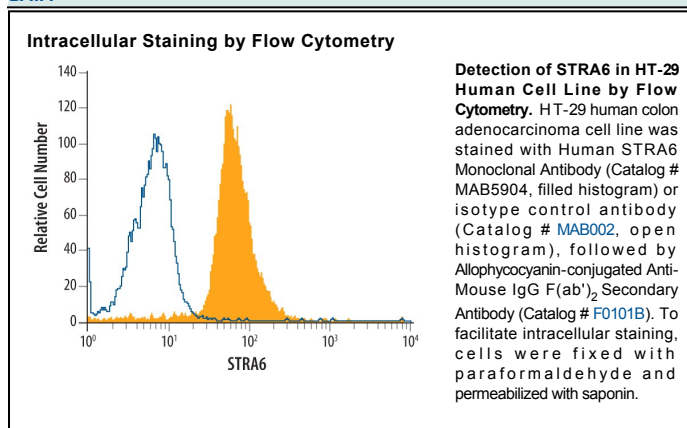
Species Reactivity	Human
Specificity	Detects human STRA6 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 496613
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human STRA6 Met1-Pro667 Accession # AAH25256
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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
Immunocytochemistry	8-25 µg/mL	Immersion fixed HT-29 human colon adenocarcinoma cell line
Intracellular Staining by Flow Cytometry	2.5 µg/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 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

Stimulated by retinoic acid gene 6 protein homolog (STRA6) is a 74 kDa broadly expressed transmembrane protein that does not belong to any particular family of proteins. Human STRA6 is 667 amino acids (aa) in length. It contains nine transmembrane regions and one potential N-linked glycosylation site in the first extracellular domain. In addition, there are three splicing variants producing four isoforms. There is no signal sequence. Human STRA6 is 80% identical to bovine STRA6 and 74% identical to mouse and rat STRA6. STRA6 may act as a high-affinity cell-surface receptor for the complex retinol-retinol binding protein (RBP/RBP4). Defects in STRA6 are the cause of Spear syndrome and Matthew-Wood syndrome.