

Product datasheet for **TA190219**

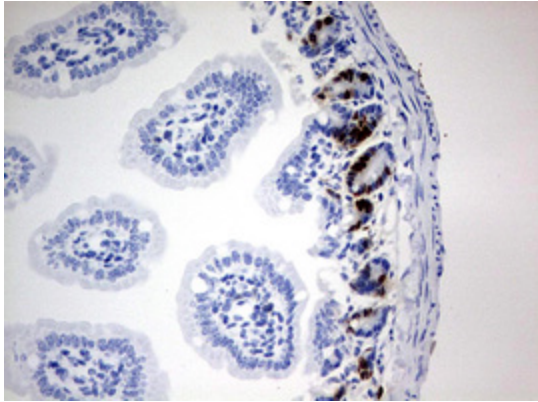
BrdU Mouse Monoclonal Antibody [Clone ID: OTI2B5]

Product data:

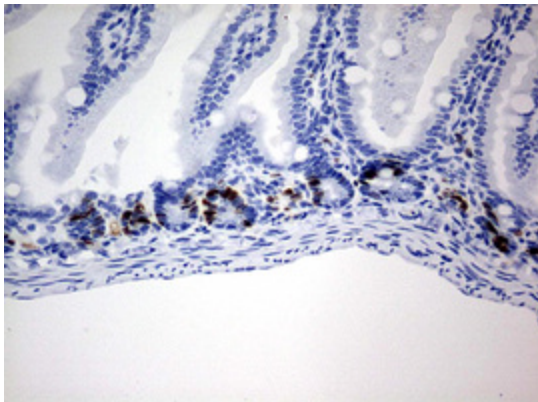
Product Type:	Primary Antibodies
Clone Name:	OTI2B5
Applications:	FC, IF, IHC
Recommended Dilution:	IHC 1:150, IF 1:150
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Bromodeoxyuridine coupled to keyhole limpet hemocyanin (KLH).
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Note:	5-chloro-2'-deoxyuridine (CIDU), 5-bromo-2'-deoxyuridine (BrdU), 5-iodo-2'-deoxyuridine (IdU) and 5-ethynyl-2'-deoxyuridine (EdU) are nucleoside analogs of thymidine. Cells that treated with these analogs will incorporate the chemicals into the genomic DNA during S-phase. Immunochemical method detection of these analogs is thus used to quantify the cell proliferation, cell cycle status in vitro or in vivo. Since the thymidine analogs can be passed onto the daughter cells, they can also used to trace dividing cell fate in a short period of time over 3 generations. In addition, combination of different analogs and their specific antibodies can be used to trace cell fate in different time frames.



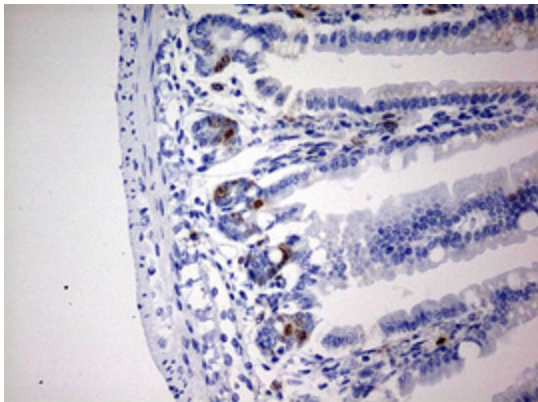
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Product images:

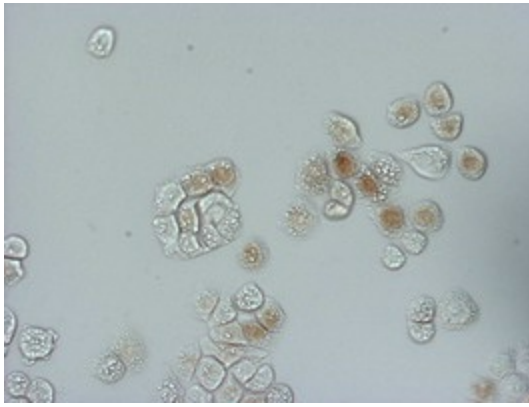
Immunohistochemical staining of paraffin-embedded colon tissue from BrdU injected mouse using anti-BrdU mouse monoclonal antibody (TA190219)



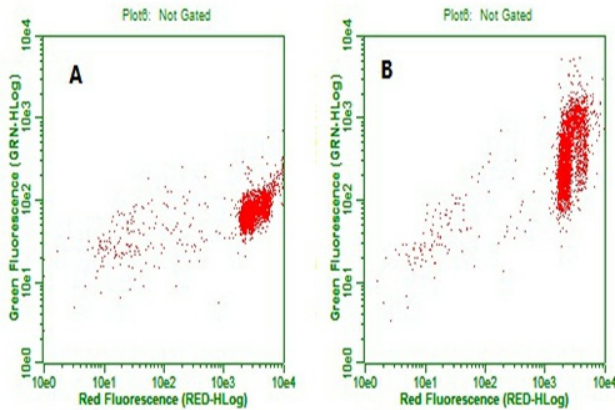
Immunohistochemical staining of paraffin-embedded colon tissue from IDU injected mouse using anti-BrdU mouse monoclonal antibody (TA190219)



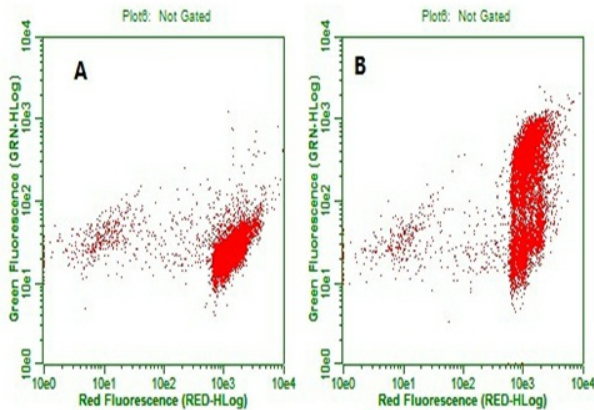
Immunohistochemical staining of paraffin-embedded colon tissue from CIDU injected mouse using anti-BrdU mouse monoclonal antibody (TA190219)



Immunocytochemistry staining of HT-29 cells pulsed with 5-bromo-2'-deoxyuridine (BrdU) using mouse



Flow cytometric Analysis of HeLa cells, using anti-BrdU antibody (TA190219). HeLa cells were treated with vehicle (A, PBS) or incorporated with BrdU (B, 15µM, 30 minutes) (1:100).



Flow cytometric Analysis of Jurkat cells, using anti-BrdU antibody (TA190219). Jurkat cells were treated with vehicle (A, PBS) or incorporated with BrdU (B, 15µM, 30 minutes) (1:100).