

## 5 MethylCytosine Polyclonal Antibody Cy7 Conjugated

Catalog No: #C07966Cy7

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## Description

Product Name	5 MethylCytosine Polyclonal Antibody Cy7 Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	FC
Species Reactivity	Hu
Crossing Reactivity	5 MethylCytosine
Immunogen Description	KLH conjugated 5 MethylCytosine
Conjugates	Cy7
Target Name	5 MethylCytosine
Other Names	5-Methyl Cytidine; 5 m C; 5 mC; 5 me C; 5 Me Cytidine; 5 MeCyd; 5 Methyl Cytidine; 5 MethylCytosine; 5-mC; 5-Me Cytidine; 5-Methyl-Cytosine; 5-MethylCytidine.
Concentration	1mg ml
Formulation	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Storage	Store at 4C for 12 months.

## Application Details

Flow-Cyt=1ug/Test

## Background

Cytidine is a nucleoside formed by a cytosine attached to a ribose ring via a beta-N1-glycosidic bond. DNA is methylated on cytidines by DNA methylases (DNMTs) to generate 5-methylcytidine (5-mC), a potent epigenetics marker and regulator of gene expression. The reverse reaction (cytidine demethylation) starts with its oxidation to hydroxymethyl- (5-hmC), formyl- (5-fC), and carboxy- (5-caC) cytidine. Several enzymes, including the Tet family of proteins have been implicated in cytidine demethylation.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.