bsm-2059M-FITC [Conjugated Primary Antibody]

Metronidazole(1C2) Monoclonal Antibody, FITC Conjugated

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DATASHEET

Host: Mouse

Target Protein: Metronidazole

Clonality: Monoclonal

Isotype: IgG

Source: KLH conjugated with Metronidazole

Purification: Purified by Protein G.

Storage: Aqueous buffered solution containing 100ug/ml BSA, 50% glycerol and 0.09% sodium azide. Store at 4°C for 12 months.

Background: Metronidazole is a nitroimidazole antibiotic medication used particularly for anaerobic bacteria and protozoa. Metronidazole is an antibiotic, amebicide, and antiprotozoal.Metronidazole, taken up by diffusion, is selectively absorbed by anaerobic bacteria and sensitive protozoa. Once taken up by anaerobes, it is non-enzymatically reduced by reacting with reduced ferredoxin, which is generated by pyruvate oxido-reductase. Many of the reduced nitroso intermediates will form sulfinamides and thioether linkages with cysteine-bearing enzymes, thereby deactivating these critical enzymes. As many as 150 separate enzymes are affected.In addition or alternatively, the metronidazole metabolites are taken up into bacterial DNA, and form unstable molecules. This function only occurs when metronidazole is partially reduced, and because this reduction usually happens only in anaerobic cells, it has relatively little effect upon human cells or aerobic bacteria.

Conjugation: FITC

Excitation/ Emission: 494nm/518nm

Size: 100ul

Concentration: 1ug/ul

Applications: IF(IHC-P)(1:50-200)

Cross Reactive Species: Others (Metronidazole)