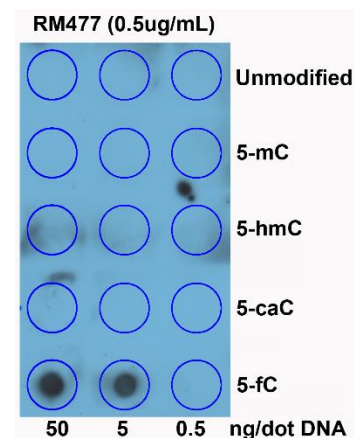
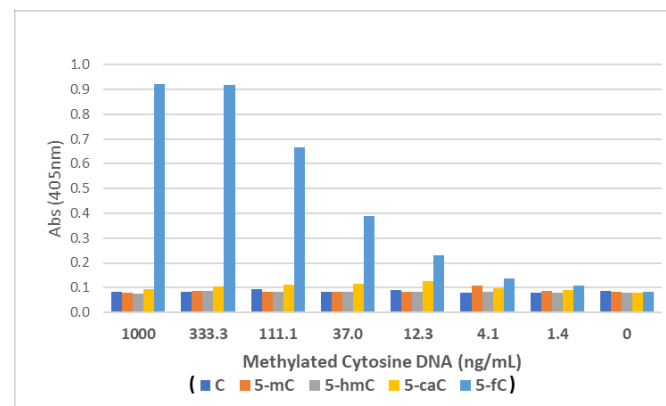


Certificate of Analysis

Product:	Rabbit Monoclonal Antibody Anti-5-Formylcytosines (5-fC) Rabbit Monoclonal Antibody, Clone RM477
Catalog No.:	31-1369-00
Lot No:	
Clone	RM477
Specificity	This antibody reacts to 5-Formylcytosines (5-fC) in DNA. No cross reactivity with non-modified cytosine and other modified cytosines in DNA.
Application:	ELISA, Dot Blot.
Immunogen:	KLH-conjugated 5-Formylcytosines.
Purity:	Protein A affinity purified from an animal origin-free culture supernatant
Size:	50 µg
Concentration:	1.0 mg/mL
Buffer:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Usage:	Dot Blot: 0.5 µg/mL - 2 µg/mL ELISA: 0.5 µg/mL - 2 µg/mL
Storage and Stability:	Stable for 1 Year at -20.0°C from date of receipt.
Country of Origin:	U.S.A.
Intended Use:	For Research Use Only Not for Diagnostic or Therapeutic Use



Dot blot of DNA using anti-5-fC Rabbit Monoclonal Antibody, Clone RM477. The membrane was pre-spotted with 50, 5, and 0.5 ng/dot of linear denatured DNA (426 bp) containing either normal cytosines (unmodified), 5-methylcytosines (5-mC), 5-hydroxymethylcytosines (5-hmC), 5-carboxylcytosines (5-caC), or 5-formylcytosines (5-fC).



ELISA of DNA using anti-5-fC Rabbit Monoclonal Antibody, Clone RM477 (1 ug/mL). The plate was coated with different concentrations of linear denatured DNA (426 bp) containing either normal cytosines (unmodified), 5-methylcytosines (5-mC), 5-hydroxymethylcytosines (5-hmC), 5-carboxylcytosines (5-caC), or 5-formylcytosines (5-fC).