

Certificate of Analysis

Product:	Rabbit Monoclonal Antibody Anti-EGFRvIII (Epidermal Growth Factor Receptor Variant III) Rabbit Monoclonal Antibody, Clone RM419
Catalog No.:	31-1305-00
Lot No:	
Clone:	RM419
Specificity:	This antibody reacts to epidermal growth factor receptor variant III (EGFRvIII). No cross reactivity with wild type EGF receptor.
Application:	Immunohistochemistry, Flow Cytometry, Western Blot, ELISA
Immunogen:	A peptide corresponding to epidermal growth factor receptor variant III (EGFRvIII)
Purity:	Protein A affinity purified from an animal origin-free culture supernatant.
Size:	100 µL
Buffer:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
Usage:	IHC: 1:100 – 1:200 dilution; FC: 1:10 – 1:100 dilution; WB: 1:1000 - 1:2000 dilution; ELISA: 1:100 – 1:1000 dilution.
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

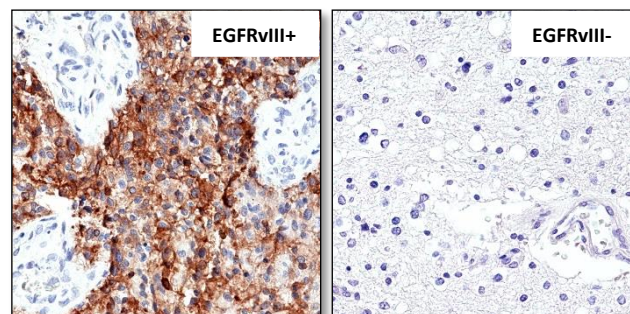


Fig 1. Immunohistochemical staining of formalin fixed and paraffin embedded human Glioblastoma Multiforme tissue sections with or without EGFRvIII using anti-EGFRvIII antibody (RM419) at 1:100 dilution.

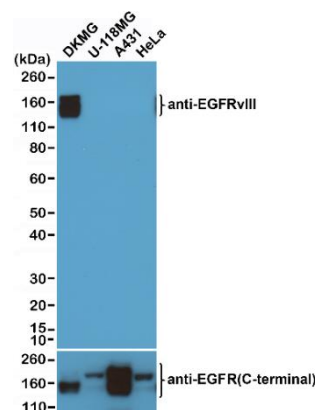


Fig 2. Western Blot analysis of DKMG(EGFRvIII positive), U118MG, A431, and HeLa whole cell lysates, using anti-EGFRvIII antibody (RM419) and anti-EGFRct (RM294) at 1:1:1000 dilution.

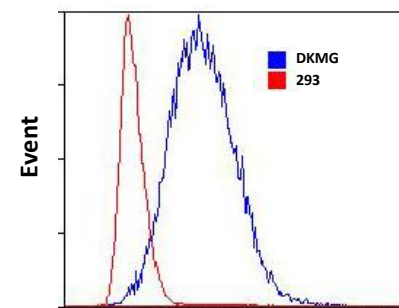


Fig 3. Flow cytometry analysis of DKMG and 293 cells, using anti-EGFRvIII antibody (RM419) at 1:50 dilution.

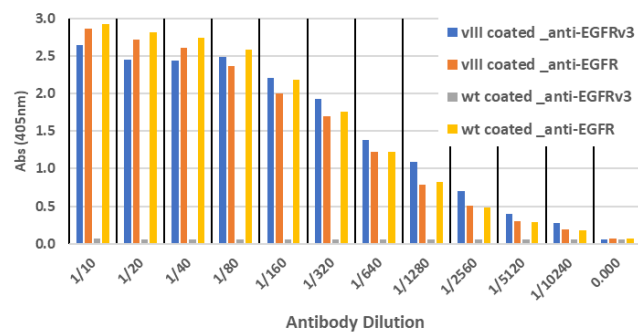


Fig 4. ELISA analysis showing RM419 does not react to wild type EGFR protein. The plate was coated with recombinant EGFR variant III and EGFRwt proteins. A serial dilution of anti-EGFRvIII (RM419) or anti-EGFR (RM229) antibodies were used.