

PE anti-human EGFRvIII Recombinant Antibody

Catalog# / Size	335613 / 25 tests 335614 / 100 tests
Clone	DH8.3.Rec
Regulatory Status	RUO
Other Names	EGFRv3
Isotype	Mouse IgG1, κ
Description	Epidermal growth factor receptor variant III (EGFRvIII) arises from an in-frame deletion of exons 2 to 7 in the extracellular region of EGFR, resulting in a truncated receptor that is constitutively active. This mutation is cancer-specific and is present in approximately 50% of glioblastoma tumors.

Product Details

Verified Reactivity	Human
Antibody Type	Recombinant
Host Species	Mouse
Immunogen	Peptide LEEKKGNYVVDHC conjugated to KLH
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
RRID	AB_3675057 (BioLegend Cat. No. 335613) AB_3675057 (BioLegend Cat. No. 335614)

Antigen Details

Structure	Deletion of exons 2-7 of the EGFR gene. Molecular mass of approximately 145 kD.
Distribution	Present in approximately 50% of glioblastoma tumors
Function	Pro-tumorigenic (promotes tumor growth, survival, invasion, stemness, metabolism, and angiogenesis).
Biology Area	Cancer Biomarkers

Antigen References

1. Hui G, et al. 2013. *FEBS Journal*. 280:21.

Gene ID

[1956](#)

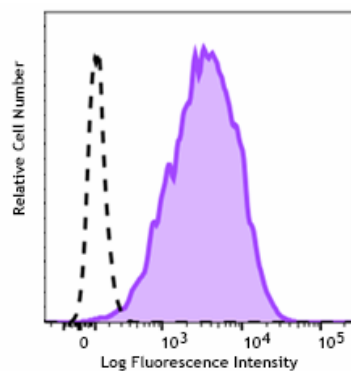
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human EGFRvIII Recombinant Antibody, PE anti-human EGFRvIII Recombinant Antibody

Product Data



Human glioblastoma cell line, DKMG/EGFRvIII, was stained with anti-human EGFRvIII recombinant (clone DH8.3.Rec) PE (filled histogram) or mouse IgG1, κ PE isotype control (open histogram).

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