Recombinant DGRmAb®

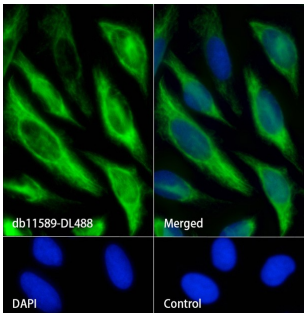
# Vimentin (DGR12122) Rabbit mAb (AF488)

**db11589-DL488** **Package：100μL**

**Product Name :** Vimentin (DGR12122) Rabbit mAb (AF488)
**Cat.No.:** db11589-DL488
**Synonyms :** VIM
**Application :** WB, IHC, ICC/IF, FC
**Reactivity :** Human, Mouse, Rat
**Host species :** Rabbit

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| **Background** | This gene encodes a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients. [provided by RefSeq, Aug 2017] |
| **Immunogen** | A synthetic peptide of human Vimentin |
| **Gene ID** | 7431 |
| **Swiss Prot** | P08670 |
| **Synonyms** | VIM |
| **Reactivity** | Human, Mouse, Rat |
| **Application** | WB, IHC, ICC/IF, FC |
| **Recommended dilution** | ICC/IF: 1:100-1:200 |
| **Calculated MW** | 54 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR12122 |
| **Isotype** | IgG |
| **Purity** | Affinity Purification |

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| **Conjugation** | AF488 |
| **Concentration** | 1 mg/mL |
| **Storage Stability** | Store at -20°C. Avoid exposure to light. Supplied in PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3. Stable for 12 months from date of receipt. |




Immunofluorescence analysis of HeLa cells labelling Vimentin with db11589-DL488.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db11589-DL488 (1:100， shown in green) at room temprature for 1h. Nuclear DNA was labeled in blue with DAPI.

Control: DAPI only.