

Product Datasheet

Anti-Vimentin Purified (orb44572)

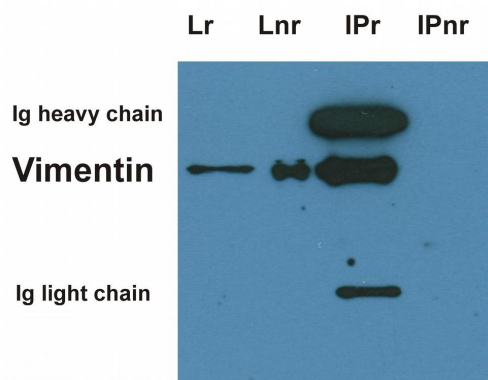
Description	Mouse monoclonal antibody to Vimentin
Reactivity	Gallus, Human, Mouse, Porcine, Rat
Conjugation	Unconjugated
Tested Applications	ICC, IHC-P, IP, WB
Target	Vimentin
Preservatives	Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
Concentration	1 mg/ml
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Immunocytochemistry: Staining technique: (a) fix cells for 10 min in methanol at -20°C and for 6 min in acetone at -20°C; (b) fix cells directly in methanol for 10 min at -20°C or in acetone for 10 min at -20°C. Positive control: 3T3 murine Swiss albino fibroblast cell line, RBL rat basophilic leukemia cell line. Immunohistochemistry (paraffin sections): Recommended dilution: 5 µg/ml, positive tissue: skin fibroblast. Western blotting: Recommended dilution: 1-2 µg/ml.
Isotype	Mouse IgM
Clonality	Monoclonal
Clone Number	VI-10
Antibody Type	Primary Antibody
Purity	Purified by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).

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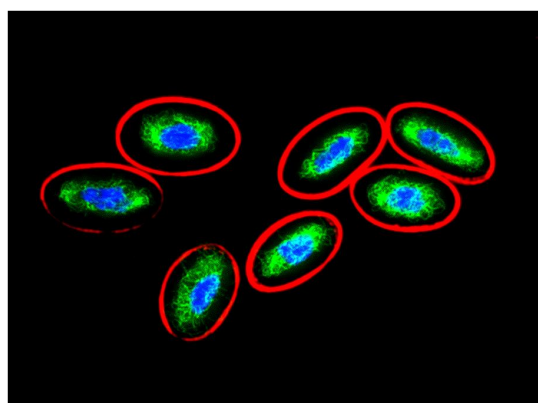
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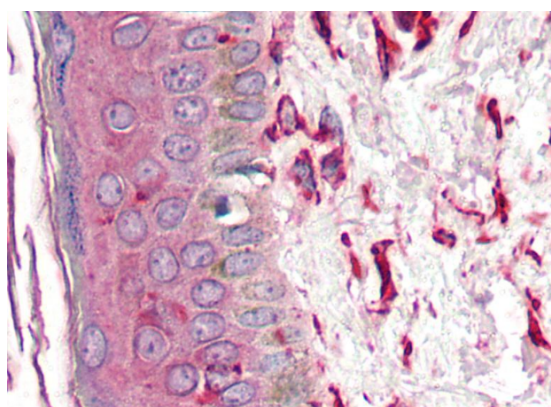
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Uniprot ID **P08670****Entrez** **7431****Expiration Date** 12 months from date of receipt.

Immunoprecipitation of vimentin from HeLa cell lysate by antibody VI-10 and its detection by antibody VI-01. IgM heavy chain (76-92 kDa) and IgM light chain (25-30 kDa) indicated. Mr of vimentin is 57 kDa. Lr = lysate (reducing conditions); Lnr = lysate (non-reducing conditions); IPr = immunoprecipitate (reducing conditions); IPnr = immunoprecipitate (non-reducing conditions).



Immunocytochemistry staining of chicken postnatal erythrocytes. Tubulin (red) was stained with anti-alpha-tubulin (TU-01; cat. no. orb44529), vimentin (green) with anti-Vimentin (VI-10). Nuclei are stained with DAPI (blue).



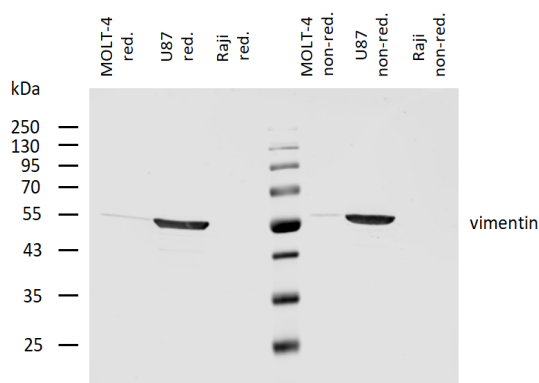
Immunohistochemistry staining of human skin (paraffin sections) using anti-vimentin (VI-10).

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Western blotting analysis of human vimentin using mouse monoclonal antibody VI-10 on lysates of MOLT-4 cell line (low expression), U87 cell line (positive) and Raji cell line (negative control) under non-reducing and reducing conditions.

Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-vimentin monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for vimentin at approximately 55 kDa.

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