



Vimentin

Mouse monoclonal Antibody

#53712

Catalog Number: 53712

Amount: 100µg/100µl

Swiss-Prot No. : P08670

Gene name: vim

Gene id: 7431

Clone Number: 4F8-A5-H5

Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20°C/1 year

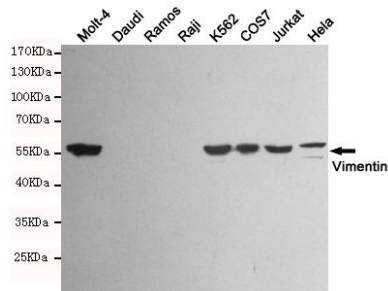
Immunogen: Purified recombinant human Vimentin protein fragments expressed in E.coli

Purification: affinity-chromatography

Specificity/Sensitivity: This antibody detects endogenous levels of Vimentin and does not cross-react with related proteins

Reactivity: Human

Applications: Predicted MW: 57kd WB: 1:1000 ICC:1:800



Western blot detection of Vimentin in Molt-4, K562, COS7, Jurkat, HeLa and Vimentin negative cell (Daudi, Ramos, Raji) lysates using Vimentin mouse mAb (1:1000 diluted). Predicted band size: 57KDa. Observed band size: 57KDa.

Background:

This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract