

**bsm-41724M****[ Primary Antibody ]****NF-L Mouse mAb****BioSS**  
**ANTIBODIES**

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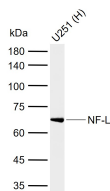
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**— DATASHEET —**

<b>Host:</b> Mouse	<b>Isotype:</b> IgG2a	<b>Applications:</b> WB (1:500-2000)  <b>Reactivity:</b> Human  <b>Predicted MW.:</b> 68 kDa  <b>Subcellular Location:</b> Cytoplasm
<b>Clonality:</b> Monoclonal	<b>CloneNo.:</b> 3H9	
<b>GeneID:</b> 4747	<b>SWISS:</b> P07196	
<b>Target:</b> NF-L		
<b>Immunogen:</b> Recombinant Human NF-L Protein: 1-543/543.		
<b>Purification:</b> affinity purified by Protein A		
<b>Storage:</b> Size : 50ul/100ul/200ul 0.01M PBS (pH7.4). Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> Neurofilament light polypeptide also called NF-L; Neurofilament triplet L protein; 68 kDa neurofilament protein. Neurofilaments usually contain three intermediate filament proteins: L, M, and H which are involved in the maintenance of neuronal caliber. The extra mass and high charge density that distinguish the neurofilament proteins from all other intermediate filament proteins are due to the tailpiece extensions. This region may form a charged scaffolding structure suitable for interaction with other neuronal components or ions. NF-L is the most abundant of the three neurofilament proteins and, as the other nonepithelial intermediate filament proteins, it can form homopolymeric 10-nm filaments. Belongs to the intermediate filament family.		

**— VALIDATION IMAGES —**

Sample: Lane 1: Human U251 cell lysates  
Primary: Anti-NF-L (bsm-41724M) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 68 kDa Observed band size: 68 kDa

**— SELECTED CITATIONS —**

- **[IF=3.5]** Xin Tong. et al. Astrocyte lactoferrin deficiency affects the construction and function of spinal neurons by regulating cholesterol metabolism. EXP CELL RES. 2025 Jun;449:114595 WB ;Mouse. 40334811