

## Band III Antibody

Mouse Monoclonal Antibody [Clone Q1/156]

Catalog No	Format	Size
6521-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6521-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6521-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

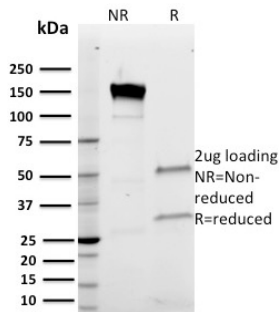
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

### Product Details

<b>Clone</b>	Q1/156
<b>Gene Name</b>	SLC4A1
<b>Immunogen</b>	Human fetal liver cells.
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	95kDa
<b>Cellular Localization</b>	Basolateral cell membrane, Cell membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Red blood cell lysate; Human colon and lung tissue.

\*Optimal dilution for a specific application should be determined.

### Product Images for Band III Antibody



SDS-PAGE Analysis of Purified Band III Mouse Monoclonal Antibody (Q1/156).  
Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

Band 3, also designated AE1, is an erythrocyte membrane glycoprotein that contributes to cell structural integrity and mediates exchange of chloride and bicarbonate across the phospholipid bilayer. The diverse functions of the approximately 900 amino acid protein are mediated by two distinct domains. The amino-terminal domain, also known as cdb3 for cytoplasmic domain of erythrocyte membrane band 3, acts as an attachment site for the erythrocyte skeleton by binding ankyrin. The carboxy-terminal, membrane-associated domain carries out exchange transport of anions. Degradation of band 3 can generate an aging antigen known as senescent cell antigen, or SCA, which is expressed on old cells and marks them for removal by the immune system. An isoform of band 3, which lacks the first 65 amino acids and does not bind ankyrin, is expressed in kidney.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Cardiovascular, Infectious Disease, Neuroscience

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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