

Datasheet for ABIN6940600  
**anti-Band 3/AE1 antibody**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µg
Target:	Band 3/AE1 (SLC4A1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Band 3/AE1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Coating (Coat)

## Product Details

Immunogen:	Human fetal liver cells.
Clone:	Q1-156
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	Band 3/AE1 (SLC4A1)
Alternative Name:	SLC4A1 ( <a href="#">SLC4A1 Products</a> )
Background:	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

## Target Details

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.

Molecular Weight: 95kDa

Gene ID: 6521

UniProt: [P02730](#)

## Application Details

Application Notes: Positive Control: Red blood cell lysate, Human colon and lung tissue.  
Known Application: ELISA (For coating, order antibody without BSA), Immunofluorescence (0.5-1 µg/mL), Western Blot (0.5-1.0 µg/mL) Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

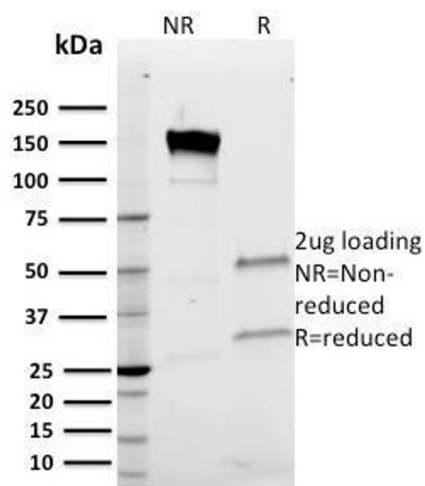
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: 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.

Expiry Date: 24 months



SDS-PAGE

**Image 1.** SDS-PAGE Analysis Purified Band III Mouse Monoclonal Antibody (Q1/156). Confirmation of Purity and Integrity of Antibody.