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Datasheet for 600-401-Z83

BONZO Antibody

Overview

Description:	Anti-BONZO (RABBIT) Antibody - 600-401-Z83
Item No.:	600-401-Z83
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Human immunodeficiency virus (HIV) and simian immunodeficiency virus (SIV) require coreceptors, in addition to CD4, to infect target cells. Some G protein-coupled receptors including CCR5, CXCR4, CCR3, and CCR2b in the chemokine receptor family have been identified as HIV coreceptors. An orphan G protein-coupled receptor was recently cloned and designated Bonzo, STRL33 and TYMSTR, and identified as HIV and SIV coreceptor. Bonzo/STRL33 serves as coreceptor for SIV, HIV-2 and HIV-1. The messenger RNA of Bonzo/STRL33 is expressed in lymphoid tissues and activated peripheral blood lymphocytes.
Synonyms:	Bonzo Antibody, BONZO, CD186, STRL33, TYMSTR, BONZO, C-X-C chemokine receptor type 6, CDw186, CXC-R6
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	CXCR6
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Bonzo antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to amino acids near the N-terminus of human Bonzo/STRL33. The sequence of. This peptide differs from those of African green monkey and pig-tailed macaque by one or two amino acids, respectively,.
Purity/Specificity:	Anti-Bonzo Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with Bonzo from other sources has not been determined.
Relevant Links:	• UniProtKB - O00574 • GeneID - 10663 • NCBI - AAB64221

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-Bonzo Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 39 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000
IF:	20 µg/mL
IHC:	20 µg/mL
WB:	0.5 µg/mL

Formulation

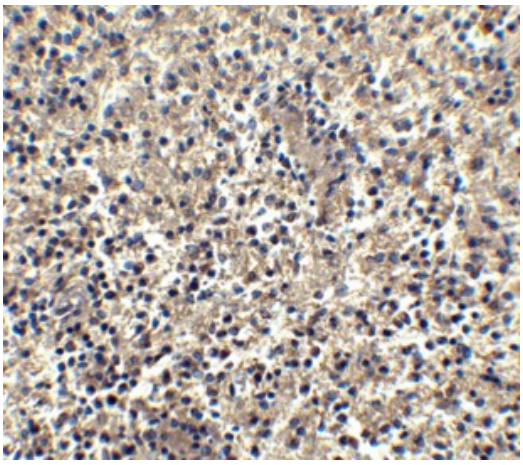
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

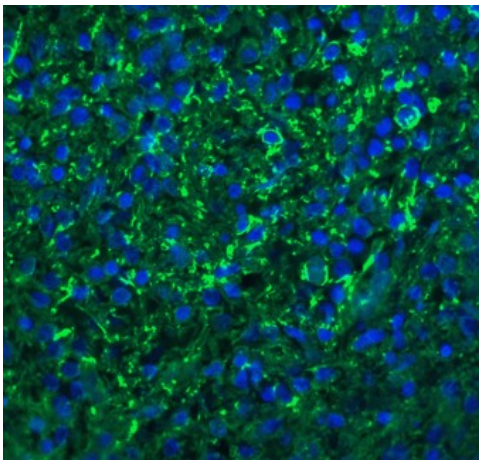
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

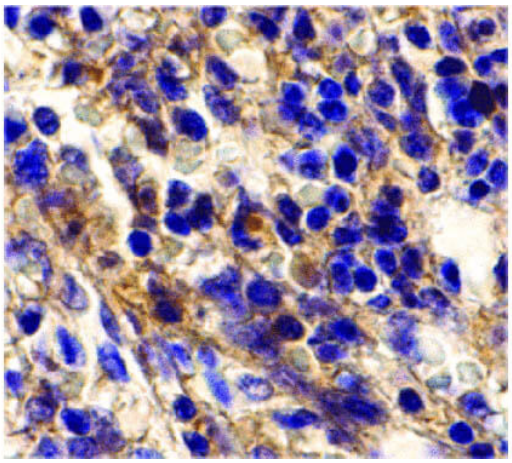
Images



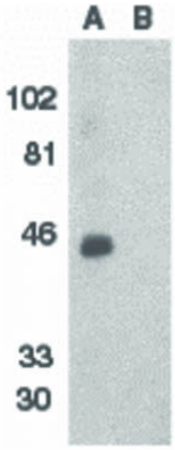
Immunohistochemistry
Immunohistochemistry of Bonzo in human spleen tissue with Bonzo antibody at 2.5 µg/ml.



Immunofluorescence Microscopy
Immunofluorescence of Bonzo in human spleen tissue with Bonzo antibody at 20 µg/ml. Green: Bonzo Antibody. Blue: DAPI staining.



Immunohistochemistry
Immunohistochemistry of Bonzo antibody. Tissue: Human spleen cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: Bonzo antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: Bonzo is localized in the cell membrane. Staining: Bonzo as precipitated brown signal with hematoxylin blue nuclear counterstain.



Western Blot
Western Blot of Bonzo antibody. Lane 1: Human spleen tissue lysate. Lane 2: Human spleen tissue lysate in the presence of blocking peptide. Load: 35 µg per lane. Primary antibody: Bonzo antibody at 1:500 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 39.3 kDa, 43 kDa for Bonzo. Other band(s): Bonzo splice variants and isoforms.

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