Datasheet for ABIN1724812

anti-CD33 antibody (AA 15-237)

7 Images | 2 Publications

Go to Product page

Overview

Quantity:	100 µL
Target:	CD33
Binding Specificity:	AA 15-237
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD33 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of human CD33 (AA: 15-237) expressed in E. coli.
Clone:	2C6B7
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CD33
Alternative Name:	CD33 (CD33 Products)
Background:	Description: The protein encoded by this gene belongs to putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells.

Target Details

	Preferentially binds to alpha-2,6-linked sialic acid. The sialic acid recognition site may be masked by cis interactions with sialic acids on the same cell surface. In the immune response, may act as an inhibitory receptor upon ligand induced tyrosine phosphorylation by recruiting cytoplasmic phosphatase(s) via their SH2 domain(s) that block signal transduction through dephosphorylation of signaling molecules. Induces apoptosis in acute myeloid leukemia (in vitro) and CD33 plays potential key roles in the pathogenesis of Alzheimer's disease (AD) Aliases: p67, SIGLEC3, SIGLEC-3
Molecular Weight:	39.8 kDa
Gene ID:	945
HGNC:	945

Application Details

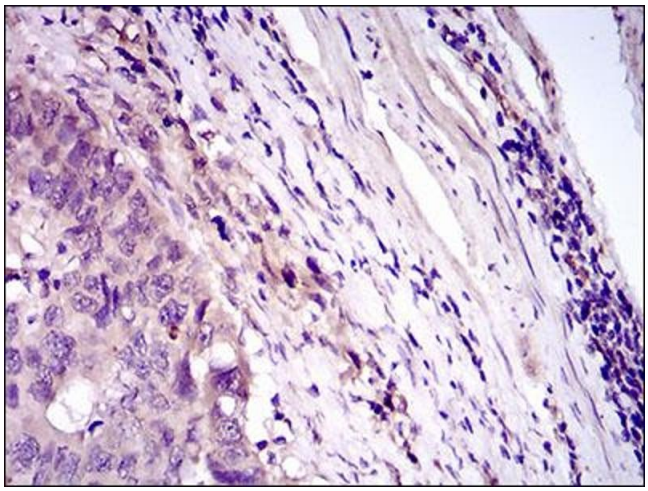
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium 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/-20 °C
Storage Comment:	4°C, -20°C for long term storage

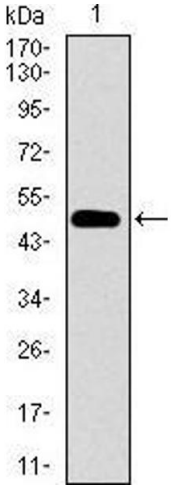
Publications

Product cited in:	Yoshida, Ishikawa, Niitsu, Nakazato, Watanabe, Shiraishi, Shiina, Hashimoto, Kanahara, Hasegawa, Enohara, Kimura, Iyo, Hashimoto: "Decreased serum levels of mature brain-derived neurotrophic factor (BDNF), but not its precursor proBDNF, in patients with major depressive disorder." in: **PLoS ONE**, Vol. 7, Issue 8, pp. e42676, (2012) (PubMed).



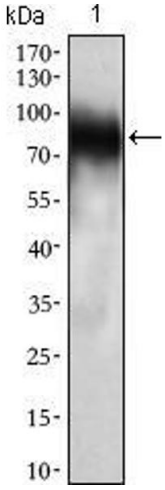
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using CD33 mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using CD33 mAb against human CD33 recombinant protein. (Expected MW is 49.2 kDa)



Western Blotting

Image 3. Western blot analysis using CD33 mouse mAb against THP-1 (1) cell lysate.

Please check the product details page for more images. Overall 7 images are available for ABIN1724812.