

## Mouse Monoclonal Antibody to CD33

<b>Catalogue Number</b>	sAP-1002
<b>Target Molecule</b>	<p><b>Name: CD33</b></p> <p><b>Aliases:</b> p67; SIGLEC3; SIGLEC-3</p> <p><b>MW: 39.8kDa</b></p> <p><b>Entrez Gene ID: 945</b></p>
<b>Description</b>	<p>The protein encoded by this gene belongs to putative adhesion molecule of myelomonocytic-derived cells that mediates sialic-acid dependent binding to cells. 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)</p>
<b>Immunogen</b>	Purified recombinant fragment of human CD33 (AA: 15-237) expressed in E. Coli.
<b>Recitative Species</b>	Human;
<b>Clone</b>	MM2C6B7;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. MAbs. 2011 Jan-Feb;3(1):21-30. ; 2. Hum Genet. 2012 Jul;131(7):1245-9.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**