

**MONOCLONAL ANTIBODY Granulocyte  
KOR-SA3544 antigen**

Cat. No.	Form	Quantity	Presentation
2038	Purified	100 µg	Freeze-dried
2039	FITC	50 tests	Liquid 1 mL
2357	PE	50 tests	Liquid 1 mL

- Clone** KOR-SA3544
- Isotype** IgG1 (mouse)
- Immunogen** Bone marrow cell line derived from a patient with congenital leukemia (KOCL-22)
- Hybridoma** X 63.Ag8.653 x Mouse Balb/c spleen cells
- Specificity** The recognized antigen is a granulocyte cell surface protein of 80-100 kDa. In peripheral blood, the majority of granulocytes reacts with the KOR-SA3544 antibody, while none of the other cells. In normal bone marrow, only the myeloid cells are positive (1).
- Applications** Flow cytometry  
Immunoblotting
- Buffer** Freeze-dried form: PBS containing 1 % sucrose and 0.1 % sodium azide.  
Conjugated form: PBS containing 1 % BSA and 0.1 % sodium azide.
- Reconstitution and Storage** The freeze-dried form may be stored at 2 - 8°C until the expiration date. Reconstitute with 100 µL of distilled water. The reconstituted form may be stored at -20°C for three months. Aliquotting is suggested to avoid multiple freeze-thaw cycles.  
The conjugated form should not be frozen and should be stored in the dark at 2 - 8°C until the expiration date.
- Recommended Procedures**
- Flow cytometry:  
Working concentration:  
Freeze-dried form: 10 µg/mL as final concentration  
Conjugated form: 20 µL / 5x10<sup>5</sup> cells / test or 100 µL whole blood
- Immunoblotting  
Suggested form: freeze-dried  
Working concentration: 10 µg/mL
- References** 1) Mori, T., Sugita, K., Suzuki, T., Okazaki, T., Manabe, A., Hosoya, R., Mizutani, S., Kinoshita, A., Nakazawa, S., 1995, Leukemia, **9**, 1233-1239.

February 27, 1997