Monoclonal Mouse Anti-Human CD16, Fc Gamma Receptor III/FITC, Clone DJ130c  Code F7011
Monoclonal Mouse Anti-Human CD16, Fc Gamma Receptor III/RPE, Clone DJ130c  Code R7012

Analyte specific reagent. Analytical and performance characteristics are not established.

Summary and explanation
CD16 is a 50-70 kDa glycoprotein which occurs in two isoforms, CD16a and CD16b. CD16a is a transmembrane molecule expressed on about 90% of NK cells and also found on macrophages and subsets of monocytes and T cells. CD16b is glycosyl phosphatidyl inositol-anchored and is expressed on virtually all neutrophils (1, 2). Anti-CD16, DJ130c, was included in the Fifth International Workshop and Conference on Human Leucocyte Differentiation Antigens, and studies by a number of laboratories confirmed its reactivity with CD16 (3).

Reagent provided
F7011 is a purified monoclonal mouse antibody conjugated with fluorescein isothiocyanate isomer 1 (FITC). R7012 is a purified monoclonal mouse antibody conjugated with R-phycoerythrin (RPE).
The conjugates are provided in liquid form in buffer containing 1% bovine serum albumin (BSA) and 15 mmol/L NaN₃, pH 7.2.

Isotype: IgG1, kappa. Conjugate concentration mg/L: See label on vial.

Precautions
1. Analyte specific reagent. Analytical and performance characteristics are not established.
2. For professional users.
3. This product contains sodium azide (NaN₃), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
4. Minimize microbial contamination of reagents or increase in nonspecific staining may occur.
5. As with any product derived from biological sources, proper handling procedures should be used.
6. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
7. Unused solution should be disposed of according to local, State and Federal regulations.

Storage
Store in the dark at 2-8 °C. Do not use after expiration date stamped on vial. If reagents are stored under any conditions other than those specified, the conditions must be verified by the user. Therefore, positive and negative controls should be run simultaneously with patient specimens. If unexpected staining is observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Dako Technical Support.

References