Monoclonal Mouse Anti-Human CD56/RPE
Clone C5.9

Code R7251

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

Synonym for antigen
Neural cell adhesion molecule (N-CAM), Leu-19, NKH1 (1).

Summary and explanation
CD56 is a membrane glycoprotein which has multiple isoforms generated by alternative splicing from a single gene located on chromosome 11 (2). The core polypeptide is the 140 kDa isoform which can be variably glycosylated to produce mature species. The predominant isoform in NK and T cells is the transmembrane-anchored 140 kDa protein. In tissues, CD56 antigen is found in the cerebellum and cortex of the brain, and at neuromuscular junctions. This molecule is identical to the 140 kDa isoform of the neuronal cell adhesion molecule (N-CAM) (1, 3).

Additionally, CD56 is also present in certain large granular lymphocyte leukaemias, small cell lung carcinomas, neural-derived tumours, myelomas, and myeloid leukaemias (1).

Reagent provided
R7251, is a purified monoclonal mouse antibody conjugated with R-phycoerythrin (RPE). The conjugate is provided in liquid form in buffer containing 1% bovine serum albumin (BSA) and 15 mmol/L Na3HPO4, pH 7.2.

Isotype: IgG2b, kappa. Conjugate concentration mg/L: See label on vial.

Immunogen
Human NK cells.

Precautions
1. Analyte specific reagent. Analytical and performance characteristics are not established.
2. For professional users.
3. This product contains sodium azide (Na3), 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. As with any product derived from biological sources, proper handling procedures should be used.
5. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
6. 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. There are no obvious signs to indicate instability of this product. 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