**Rabbit Anti-Human Hemoglobin**
**Code No. A 0118**
**Lot 018. Edition 29.08.00**

**Presentation**
DAKO Rabbit Anti-Human Hemoglobin is the purified immunoglobulin fraction of rabbit antisemur.

- **Solvent:** 0.1 mol/L NaCl, 15 mmol/L NaN₃.
- **Protein concentration:** 12.7 g/L.

The titre variation between different lots of A 0118 is less than 10%. This is achieved by adjusting the titre of each individual lot to match the titre of an antibody reference preparation kept at -80 °C.

**Immunogen**
Hemoglobin, mainly hemoglobin A, isolated from erythrocytes of normal adults.

**Specificity**
The antibody reacts with hemoglobin A, and due to the common alpha chain also with hemoglobin A₂ and hemoglobin F. Traces of contaminating antibodies have been removed by solid-phase absorption with human plasma proteins.

The specificity of the antibody has been ascertained as follows:

- **Crossed immunoelectrophoresis:** Only the hemoglobin precipitation arch appears when using 12.5 µL DAKO A 0118 per square cm gel area against 2 µL lysate of erythrocytes. When tested against 2 µL human serum only a precipitate with the hemoglobin/haptoglobin complex appears. With 2 µL concentrated urine, no precipitate is seen. Staining: Coomassie Brilliant Blue.

- **Immunohistochemistry:** When tested in the dilution of 1:100 - 1:200 by the LSAB®+ staining procedure on formalin-fixed, paraffin-embedded human tonsil, a staining of erythrocytes is seen. No staining of other cells or tissue types has been observed. Negative control: DAKO Rabbit Immunoglobulin Fraction, code No. X 0903, 1:400 - 1:800.

**Application**
The antibody is well-suited for gel precipitation techniques (1) and immuno-histochemistry (2) and ELISA (2).

**GUIDELINE FOR DILUTION**

- **Single radial immunodiffusion:** Antibody: 4.0 µL per square cm gel area. Standard: lysed human erythrocytes adjusted to a protein concentration of 1 g/L, diluted 1+9 1+15 1+25 1+50. Standard volume: 5 µL.

- **Immunohistochemistry:** The antibody may be used at a dilution of 1:100 - 1:200 in the LSAB®+ or EnVision™+ system.

**Cross-reactions with other species**
DAKO Rabbit Anti-Human Hemoglobin does not cross-react with hemoglobin from chicken, cow, horse, sheep, swine and tuna when tested by single radial immuno-diffusion as described above. It cross-reacts weakly with hemoglobin from mink and mouse as determined by double immunodiffusion in agarose gel.

**Storage**
2 - 8 °C.

**References**
