HYB 281-05 Anti Serum Amyloid P component (SAP), human
Mouse monoclonal antibody

**Article No.**  56585 (0.2 mL), 101076 (1.0 mL)

**Product Name**  HYB 281-05 Anti Serum Amyloid P component (SAP), human

**Clone**  14B4

**Subclass**  IgG1/kappa

**Description**
- **Preparation:** Protein-A purified
- **Concentration:** 1 mg/mL ± 10%, based on $A_{280}$. See Certificate of Analysis for details.
- **Solvent:** PBS, pH 7.2 – 7.4
- **Storage:** -18 ºC or colder

**Antigen**
- Serum Amyloid P component (SAP) is a Ca$^{2+}$-activated serum protein, which structurally resembles legume lectins. It has an unknown function but binds negatively charged carbohydrates and is associated with all types of amyloid lesions including the amyloid plaques found in brains of Alzheimer patients (1-5). The native protein is a pentamer or a decamer (125 kDa or 250 kDa). In SDS-PAGE the protein dissociates into its 25 kDa subunits irrespectively of reduction or not.

**Immunogen**
- Serum Amyloid P Component purified from human plasma.

**Specificity**
- No cross-reactions have so far been detected.

**Epitope Specificity**
- HYB 281-02, 281-03, 281-05, 281-06 and 281-07 are all monoclonal antibodies reacting with SAP. However, the epitope specificity between them has not yet been characterised.

**Reactivity**
- HYB 281-05 reacts with SAP coated on microtitre plates. In western blots of SDS-PAGE separated serum proteins, HYB 281-05 reacts with a high molecular weight aggregate of SAP under non-reducing conditions and reacts strongly with a 25 kDa band of the single subunits under reducing SDS-PAGE conditions.

**Culture Medium**
- Dulbecco's modified Eagle’s medium with 10% fetal calf serum.

**Fusion Partner**
- X63-Ag8.65

**Immunization**
- Female CF1xBalb/c F1 hybrid mice were immunized i.p. with immunogen adsorbed to Al(OH)$_3$.

**Application**

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<tr>
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<td>Immunoblotting</td>
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References


Conditions

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