

**Polyclonal**  
**Goat IgG purification kit (Code : GIKPG-FF KIT)**  
**under physiological conditions, all steps**  
**Price: 300 EUR/KIT**

**KIT CONTENT**

**(sufficient for 8 purifications with 15 ml goat serum/each)**

- **Goat IgG Binding Gel** (Sepharose™ fast flow) (Code : GIKPG-FF) : **5 ml gel column**.  
Binding capacity : approx. 20 mg goat IgG/ml wet gel.  
Purity : 90% by SDS-PAGE  
Maximum pressure : 3 bars (43 psi, 0.3 MPa).  
Gel life : approx. 50 cycles with routine regeneration.
- **Goat IgG Binding Buffer** (Code : BBGPG) 2x concentrated : **1000 ml** (Add 1000 ml of distilled water before use).
- **Goat IgG Elution Buffer** (Code : EBGPG) 4x concentrated: **125 ml** (Add 375 ml of distilled water before use).
- **Goat IgG Precipitating Agent** (Code : PAGPG) : 8 x 1 sachet of sufficient quantity for precipitating all IgG from 15 ml of goat serum/each.

**INSTRUCTIONS FOR USE**

1. Add with mild agitation 1 sachet of Precipitating Agent (PAGPG) to 15 ml of goat serum for 10 minutes. Stop the agitation and allows to stand for 30 minutes at 4°C . Centrifuge at 3000 g for 10 minutes. Discard the supernant from the pellet. Dissolve the pellet in 30 ml of Binding Buffer (BBGPG). Such a sample is ready to be loaded into the column.
2. Equilibrate the column (GIKPG-FF) with 20 ml of goat IgG Binding Buffer (BBGPG). Set the valve to get a flow rate of approx. 30 ml/hour.
3. Load the sample prepared in point 1 into the column prepared in point 2 at a flow rate of 30 ml/hour.
4. Wash the column with 200 ml of goat IgG Binding Buffer (BBGPG) at a flow rate of approx. 50 ml/hour.
5. Elute the goat IgG with the goat IgG Elution Buffer (Code : EBGPG) until the O.D. at 280nm of the eluent reaches the baseline level. Collect 10 fractions of 5 ml elution volume.
6. Assay the elution fractions obtained as described in point 5, using the most appropriate system (SDS-PAGE, immunodiffusion, radioimmunoassay, Elisa...)

**REGENERATION OF THE GOAT IgG BINDING GEL**

**It is recommended to regenerate the gel after every 5 cycles of use.**

1. Wash the column with 10x volumes of NaOH 0.1M.
2. Wash the column with 10x volumes of distilled water.
3. Equilibrate the column 10x volumes of PBS (50 mM K<sub>2</sub>HPO<sub>4</sub>, 150mM NaCl) pH 7.4.
4. Store the column at 4°C in the presence of NaN<sub>3</sub> 0.1% (w/v).
5. For the next use, see INSTRUCTION FOR USE as described above.

**If you need sterile materials, the regeneration can be carried out as follows.**

**STERILE REGENERATION OF THE GOAT IgG BINDING GEL**  
**(GEL SANITIZATION)**  
**AFTER EVERY 5 CYCLES OF USE**

1. Wash 1 volume of gel column with 5 volumes of acetic acid 1 M.
2. Wash this column with 10 volumes of sterile distilled water.
3. Wash this column with 5 volumes of NaOH 1M.
4. Wash this column with 10 volumes of sterile distilled water.
5. Wash this column with 10 volumes of PBS (50 mM K<sub>2</sub>HPO<sub>4</sub>, 150mM NaCl) pH 7.4; NaN<sub>3</sub> 0.1%(w/v).
6. The sterile gel column is now ready to be re-used.