

Materials List for:

Characterization of Thymus-dependent and Thymus-independent Immunoglobulin Isotype Responses in Mice Using Enzyme-linked Immunosorbent Assay

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Materials

| Name | Company | Catalog Number | Comments |
|---|-----------------------------|-----------------------------------|---|
| VersaMax Tunable Microplate Reader | MDS Analytical Technologies | VERSAMAX | Equipment to read the plates |
| SOFTmax PRO 5.3 | MDS Analytical Technologies | SOFTmax PRO 5.3 | Software for the plate reader |
| GraphPad Prism | GraphPad | Prism | Software for graphing and statistics |
| TNP-AECM-polysaccharide (FICOLL) | Biosearch Technologies | F-1300-10 | A TI Ag for immunization |
| TNP-KLH | Biosearch Technologies | T-5060-5 | A TD Ag for immunization |
| TNP(38)-BSA | Biosearch Technologies | T-5050-10 (conjugation ratio: 38) | Coating Ag for TNP-specific ELISA |
| TNP(3)-BSA | Biosearch Technologies | T-5050-10 (conjugation ratio: 3) | Coating Ag for high affinity TNP-specific Ig |
| Imject Alum | Fisher Scientific | PI-77161 | Alum adjuvant for immunization |
| Falcon Polypropylene tubes | Fisher Scientific | 14-959-11A | For incubation of TNP-KLH/alum |
| BD Insulin Syringe | Fisher Scientific | 14-829-1B | For i.p. injection of mice |
| Immuno 96-Well Plates, Flat-Bottom | Fisher Scientific | 14-245-61 | For ELISA |
| Untreated 96-Well Microplates, Round-Bottom | VWR | 82050-622 | For serial dilutions of standards and samples |
| Phosphatase substrate, 5 mg Tablets | Sigma | S0942-200TAB | AP substrate |
| Diethanolamine | VWR | IC15251690 | A component of AP substrate buffer |
| Goat anti-mouse IgM | SouthernBiotech | 1020-01 | Capture Ab for mouse IgM |
| Goat anti-mouse IgG1 | SouthernBiotech | 1070-01 | Capture Ab for mouse IgG1 |
| Goat anti-mouse IgG2a | SouthernBiotech | 1080-01 | Capture Ab for mouse IgG2a |
| Goat anti-mouse IgG2b | SouthernBiotech | 1090-01 | Capture Ab for mouse IgG2b |
| Goat anti-mouse IgG3 | SouthernBiotech | 1100-01 | Capture Ab for mouse IgG3 |
| Goat anti-mouse IgA | SouthernBiotech | 1040-01 | Capture Ab for mouse IgA |
| Goat anti-mouse IgE | SouthernBiotech | 1110-01 | Capture Ab for mouse IgE |
| AP-Goat anti-mouse IgM | SouthernBiotech | 1020-04 | Detection Ab for mouse IgM |
| AP-Goat anti-mouse IgG1 | SouthernBiotech | 1070-04 | Detection Ab for mouse IgG1 |
| AP-Goat anti-mouse IgG2a | SouthernBiotech | 1080-04 | Detection Ab for mouse IgG2a |
| AP-Goat anti-mouse IgG2b | SouthernBiotech | 1090-04 | Detection Ab for mouse IgG2b |
| AP-Goat anti-mouse IgG3 | SouthernBiotech | 1100-04 | Detection Ab for mouse IgG3 |

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|------------------------|-----------------|---------|---|
| AP-Goat anti-mouse IgA | SouthernBiotech | 1040-04 | Detection Ab for mouse IgA |
| AP-Goat anti-mouse IgE | SouthernBiotech | 1110-04 | Detection Ab for mouse IgE |
| Mouse IgM standard | BD Biosciences | 553472 | TNP-specific IgM, Clone G155-228 |
| Mouse IgG1 standard | BD Biosciences | 554054 | TNP-specific IgG1, Clone 107.3 |
| Mouse IgG2a standard | BD Biosciences | 556651 | TNP-specific IgG2a, Clone G155-178 |
| Mouse IgG2b standard | BD Biosciences | 554055 | TNP-specific IgG2b, Clone 49.2 |
| Mouse IgG3 standard | BD Biosciences | 553486 | KLH-specific IgG3, Clone A112-3 |
| Mouse IgA standard | BD Biosciences | 550924 | Mineral oil-induced IgA, Clone MOPC-320 |
| Mouse IgE standard | BD Biosciences | 557079 | TNP-specific IgE, Clone C38-2 |