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| **S1 Table.** Purified antigen, antigen format, amount used in coupling, GST linked, and coupling buffer. |
| **Pathogen** | **Antigen** | **Format\*** | **GST Linked** | **Coupling Amount (µg)¶** | **Coupling Buffer£** | **Ref.** |
| Chikungunya  | Envelope-1 Mutant A226V  | Recomb. | No | 8.7  | A | [1]  |
| *Entamoeba histolytica* | Lectin Adhesion Molecule (LecA)  | Recomb.  | No | 35.0  | B | [2] |
| *Giardia intestinalis*  | Variant Surface Protein 5 | Recomb.  | Yes | 35.0  | B | [2] |
| *Giardia intestinalis*  | Variant Surface Protein 3 | Recomb.  | Yes | 35.0  | B | [2] |
| *Plasmodium falciparum*  | Merozoite Surface Protein 119  | Recomb.  | Yes | 23.0 | B | [3] |
| *Plasmodium falciparum*  | Merozoite Surface Protein 142  | Recomb.  | No | 17.0 | B | [4]  |
| *Plasmodium falciparum*  | Apical Merozoite Antigen 1 | Recomb.  | No | 23.0 | B | [4]  |
| *Plasmodium vivax*  | Merozoite Surface Protein 119 | Recomb.  | Yes | 25.0 | B | [4]  |
| -------------------- | Glutathione-*S*-transferase  | Recomb.  | ---- | 15.0 | B | [5] |
| *Brugia malayia*  | Bm14 | Recomb.  | Yes | 139.0 | A | [5] |
| *Wuchereria bancrofti*  | Wb123 | Recomb.  | No | 139.0 | A | [5] |
| *Escherichia coli*  | Enterotoxigenic β subunit  | Recomb.  | No | 34.8  | B | [6] |
| *Vibrio cholera*  | α and β subunit  | Native | No | 34.8  | B | [7] |
| Dengue 2  | Envelope Structure  | VLP | No | 52.3 | A | [1] |
| Dengue 3  | Envelope Structure  | VLP | No | 34.8  | A | [1] |
| Yellow fever  | Envelope Structure  | VLP | No | 34.8  | A | [8] |
| Norovirus | Envelope Structure GIV.1 (St. Cloud strain)  | VLP | No | 34.0  | A | [9] |
| Norovirus | Envelope Structure GII.4 (Sydney strain)  | VLP | No | 36.0  | A | [9] |
| Norovirus | Envelope Structure GI.1 (Norwalk strain)  | VLP | No | 33.3  | A | [9] |
| *Cryptosporidium parvum*  | 17-kDa Antigen  | Recomb.  | Yes | 8.0  | B | [2] |
| *Cryptosporidium parvum*  | 27-kDa Antigen  | Recomb.  | Yes | 14.5  | B | [2] |
| *Taenia solium*  | T24H Antigen  | Recomb.  | Yes | 140.8  | B | [10] |
| *Schistosoma mansoni*  | Sm25 Antigen  | Recomb.  | Yes | 14.4  | A | [11] |
| *Campylobacter jejuni*  | P18 Antigen  | Recomb.  | Yes | 30.0  | B | [12] |
| *Campylobacter jejuni*  | P39 Antigen  | Recomb.  | Yes | 28.8  | B | [12] |
| *Salmonella enteritidis*  | Sero Enteriditis Group D  | Native | No | 140.0  | B | [13] |
| *Salmonella typhimurium*  | Sero typhimurium Group B  | Native | No | 70.0  | B | [14] |
| *Chlamydia trachomatis* | CT-694 Antigen  | Recomb.  | Yes | 34.8  | A | [15] |
| *Chlamydia trachomatis* | Pgp3 Antigen  | Recomb.  | Yes | 139.0  | A | [15] |
| \*Format: Recomb., recombinant; VLP, virus-like particle.£Coupling buffer: A, PBS, pH 7.2; B, 50 mM 2-(N-morpholino)ethanesulfonic acid, 0.85% NaCl, pH 5.0. ¶Coupling amount: amount in µg per 12.5 million beads |

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