PRODUCT INFORMATION

Protein A Coated Plates Clear 8-well Strip

PRODUCT CODE: X-MTP-0003-5X

STORAGE: room temperature

PRODUCT DESCRIPTION

Protein A is a 42 kDa surface protein originally found in the cell wall of the bacteria Staphylococcus aureus. Protein A binds strongly to the Fc region of IgG from human (total IgG, IgG1, IgG2, IgG4), mouse (IgG2a, IgG2b and IgG3), rabbit, guinea pig, pig, dog, and rhesus monkey. BioThinx Protein A coated plates are useful for binding specified IgGs, IgG conjugates or antibody-antigen complexes to the wells for subsequent analysis, to bind antibodies in optimal orientation threw Fc-interaction and to coat antibodies for ELISA procedures without pre-purification.

PRECAUTIONS AND DISCLAIMER

This product is for LABORATORY RESEARCH USE ONLY, not for diagnostic, therapeutic, drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

FORMULATION

Protein A coated micro assay plate: 96 wells, configured in twelve 1x8 strips, each coated plate is packed in a barrier bag with desiccant. The wells are coated to a 100µl depth and are supplied pre-blocked.

PREPARTION AND HANDLING

The following protocol is a simple direct ELISA protocol and the protocol and reagents used will have to be optimized for specific applications and assays. Avoid using buffers containing immuno globulin.

1. Wash the wells to be used with 200µl Wash Buffer (tris buffered saline or phosphate buffered saline, pH 7-7.5, containing 0-05 % TWEEN® 20 or an appropriate Wash Buffer of choice.
2. Dilute the sample with (tris buffered saline or phosphate buffered saline, pH 7-7.5, containing 0.05 % BSA or an appropriate Dilution Buffer of choice and add 100µl diluted sample to each well.
3. Incubate at room temperature for 1-2 hours with shaking.
4. Wash each well three times with 200µl Wash Buffer.
5. Add 100µl enzyme labelled detection reagent if primary antibody was not enzyme conjugated.
6. Incubate at room temperature for 0.5-1 hour with shaking.
7. Wash each well three times with 200µl Wash Buffer.
8. Detect the label signal with appropriate substrate.

STORAGE / STABILITY

Store unopened at ambient temperature. Once opened the plates can be stored in the resealable bag (ZipLoc) with desiccant.

RECOMMENDED RETEST DATE

07/2021

BACKGROUND REFERENCES

1. Goding, J.W., Use of staphylococcal protein A as an immunological reagent, J. Immunol. Methods, 20, 241-53 (1978).