



Anti-human Cryptic Antibody

ORDERING INFORMATION

Catalog Number: AF1410

Lot Number: JIS01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Cryptic

Immunogen: NS0-derived rhCryptic

Ig Type: human Cryptic specific sheep IgG

Applications: Direct ELISA
Western blot
Flow cytometry

Preparation

Produced in sheep immunized with purified, NS0-derived, recombinant human Cryptic (rhCryptic). Human Cryptic specific IgG was purified by human Cryptic affinity chromatography.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Endotoxin Level

< 0.01 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize human Cryptic in the applications listed below. In direct ELISAs and western blots, this antibody shows approximately 5% cross-reactivity with rmCryptic.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Cryptic. The detection limit for rhCryptic is approximately 0.3 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Cryptic. The detection limit for rhCryptic is approximately 5 ng/lane under non-reducing and reducing conditions.

Flow Cytometry - This antibody has been tested on human embryonic stem cells for use in flow cytometry. Dilute this antibody to 50 µg/mL and add 10 µL of this solution to 1 - 2.5 x 10⁵ cells in a total reaction volume not exceeding 200 µL. The binding of unlabeled antibodies may be visualized by adding stock solution of a secondary developing reagent such as sheep IgG conjugated to a fluorochrome.

Optimal dilutions should be determined by each laboratory for each application.