

## Rat serum for Immunoassays.

**Catalog number:** IHR-8143      10 ml

**Description:** This serum is obtained from pools of healthy adult animals. The serum is heat inactivated at 56°C for 30 minutes and diluted and filtered. Each serum is tested with appropriate biotinylated antibody for cross-reactivity.

**Storage:** Store at 2-8°C. For long term storage aliquot product and store at -20°C, repeated freeze and thaw cycles should be avoided. If precipitate appears, centrifuge serum and use supernatant.

**Intended Use:** This serum is used as blocking agents at 5% in buffer with all Immunoassays, to reduce non-specific background and conserved sequence. This serum can also be used as a negative control in immunoassays with proper dilution.

It is recommended that the diluted serum should be used from the same host animal where the labeled antibody is produced; e.g. if the labeled antibody is made in rat the blocking serum should be diluted rat serum.

**Reagent:** This serum is supplied in 0.1% sodium azide.

**Procedure:** Here is protocol for Immunohistochemistry (IHC) and Immunocytochemistry (ICC)

1. If tissues are used, deparafinize and hydrate tissue sections through xylene or other clearing agents and graded alcohols. (For frozen sections or cell smears; use unfixed, acetone fixed or appropriate fixative for the antigen in question; **for cell smears it may be necessary to permeabilize the cell by detergent, please refer to antibody protocol.**)
2. Wash 2-3 with distilled or deionized water.
3. Incubate sections/cell smear in Endoblocker (#1) for 5-10 minutes at room temperature or 37°C.  
*Note: If antigen retriever is required it can be applied after this stage.*
4. Wash slide with PBS or Tris saline (**with 0.02-0.05% nonionic detergent, Triton X100, Tween 20 or NP-40**) or washing buffer (Immuno Automation buffer IBSC cat # AR-6561) 3-5X.
5. Incubate sections/ cell smear in Protein blocking solution (**diluted animal serum**), for 10 minutes. at RT or 37°C
6. Wash slide with PBS 1X.
7. *Follow instructions for IHC/ICC.*

The diluted serums are also used as blocking agents in all immunoassays.

*These are guide lines, the optimum incubation times and dilution of serums should be determined by the individual lab.*

**If precipitate appears, centrifuge serum and use only supernatant.**

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**Limitation and warranty:** Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

**MSDS:** This product contains 0.1 % sodium azide as a preservative, appropriate care should be taken in handling. National Institute of Occupational Safety and Health has warning that sodium azide can react with lead, copper, brass or solder in the plumbing system and forms hydrazoic acid in acidic condition. Discard with copious amount of water. Avoid skin and eye contact with all laboratory products. Use appropriate laboratory gear, lab coat, gloves and safety glasses. Do not ingest any laboratory products. This product is not approved for administration in human or animals.

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Phone: + 1 425 367 4601; Fax: + 1 425 367 4817; cell (mobile) phone: + 1 425 314 0199

Marketing phone: + 1 650 343 IBSC (4272); e-mail: [anitaIBSC@aol.com](mailto:anitaIBSC@aol.com)

Web site: [www.immunobioscience.com](http://www.immunobioscience.com); E-mail: [baderbo@gmail.com](mailto:baderbo@gmail.com)

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