# Product Datasheet

## IgA Antibody (rHISA43) [Allophycocyanin/Cy7]
## NBP3-08604APCCY7

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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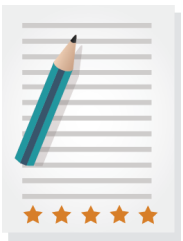

# NBP3-08604APCCY7

IgA Antibody (rHISA43) [Allophycocyanin/Cy7]

| Product Information | |
|---|---|
| **Unit Size** | 0.1 ml |
| **Concentration** | Please see the vial label for concentration. If unlisted please contact technical services. |
| **Storage** | Store at 4C in the dark. Do not freeze. |
| **Clonality** | Monoclonal |
| **Clone** | rHISA43 |
| **Preservative** | 0.05% Sodium Azide |
| **Isotype** | IgG1 Kappa |
| **Conjugate** | Allophycocyanin/Cy7 |
| **Purity** | Protein A or G purified |
| **Buffer** | PBS |

| Product Description | |
|---|---|
| **Host** | Mouse |
| **Gene ID** | 3493 |
| **Gene Symbol** | IGHA1 |
| **Species** | Human |
| **Marker** | B-Cell Marker |
| **Specificity/Sensitivity** | This monoclonal antibody is specific to heavy chain of IgA and shows minimal cross-reaction with heavy chains of other immunoglobulins. It is reactive with both IgA1 and IgA2 subclasses of Alpha heavy chain. It reacts with the third constant domain (CH3) of the alpha chain of IgA molecules. Immunoglobulins are four-chain, Y-shaped, monomeric structures comprised of two identical heavy chains and two identical light chains held together through inter-chain disulfide bonds. The chains form two domains, the Fab (antigen binding) fragment and the Fc (constant) fragment. Immunoglobulin A (IgA) is the main protein of the mucosal immune system. It is generated by B-cells in gut-associated lymphoid tissues. Daily production of IgA exceeds that of any of the other immunoglobulins.IgA exists mainly in dimers but can also exist as polymers or as monomers. Dimers and polymers contain a joining (J) chain that can be bound by the polymeric immunoglobulin receptor (pIgR) for transportation of the molecule to mucosal surfaces. The most common feature of plasmacytomas, and certain non-Hodgkin s lymphomas is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant. |
| **Immunogen** | Recombinant full-length human IGHA1 and IGHA2 proteins |

| Product Application Details | |
|---|---|
| **Applications** | Immunohistochemistry-Paraffin |
| **Recommended Dilutions** | Immunohistochemistry-Paraffin |

| | |
|---|---|
| **Application Notes** | Optimal dilution of this antibody should be experimentally determined. For optimal results using our Tandem dyes, please avoid prolonged exposure to light or extreme temperature fluctuations. These can lead to irreversible degradation or decoupling. When staining intracellular targets, specific attention to the fixation and permeabilization steps in your flow protocol may be required. Please contact our technical support team at technical@novusbio.com if you have any questions. |

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## Products Related to NBP3-08604APCCY7

| | |
|---|---|
| 210-TA-005 | TNF-alpha [Unconjugated] |
| NBP1-97039-1mg | Human IgA Isotype Control |
| M6000B-1 | IL-6 [HRP] |
| 6507-IL-010/CF | IL-4 [Unconjugated] |

**Limitations**
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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