

Datasheet for ABIN6156227

**Mouse anti-Human IgA Antibody (CF®405S)**[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	IgA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	CF®405S
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

## Product Details

Purpose:	Mouse Monoclonal anti-Human IgA Immunoglobulin (IA-HISA43), CF405S Conjugate
Immunogen:	Purified human IgA
Clone:	IA-HISA43
Isotype:	IgG1 kappa
Characteristics:	<p>This MAb 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</p>

## Product Details

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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. Primary antibodies are available purified, or with a selection of fluorescent CF<sup>®</sup> dyes and other labels. CF<sup>®</sup> dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF<sup>®</sup>405S and CF<sup>®</sup>405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

## Target Details

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Target:	IgA
Alternative Name:	IgA Immunoglobulin ( <a href="#">IgA Products</a> )
Target Type:	Antibody
Background:	A2m Marker, Ig alpha 1 Chain C Region, Ig alpha 2 Chain C Region, IGHA1, IGHA2, Immunoglobulin Am1, Immunoglobulin Am2, Immunoglobulin Heavy Constant Alpha 1, Immunoglobulin Heavy Constant Alpha 2
Molecular Weight:	50-75 kDa
Gene ID:	3493, 3494, 699841

## Application Details

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Application Notes:	Immunohistology formalin-fixed 0.5-1.0 µg/mL <ul style="list-style-type: none"><li>• Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes</li><li>• Immunofluorescence 0.5-1.0 µg/mL</li><li>• Flow Cytometry 1-2 µg/million cells in 0.1 mL</li><li>• Optimal dilution for a specific application should be determined by user</li></ul>
Comment:	Daudi, 293T, Raji or hPBL cells. Tonsil or Spleen.
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light