

## Anti-Fas Antibody [FAS/3112] (A249020)

### Specifications:

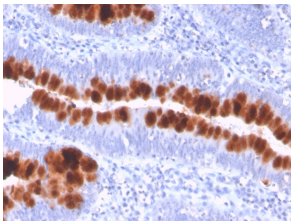
Name:	Anti-Fas Antibody [FAS/3112]
Description:	Mouse monoclonal [FAS/3112] antibody to Fas.
Specificity:	This antibody specifically recognizes CD95, also known as Fas, a transmembrane glycoprotein with a MW of 40-45kDa, containing 8kDa of N-glycoside-linked polysaccharide. It is a receptor for TNFSF6/FASLG, a member of the nerve growth factor receptor/tumor necrosis factor superfamily, mediating receptor-triggered apoptosis. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation, which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. The secreted isoforms 2 to 6 block apoptosis (in vitro). CD95 antigen is expressed on the surface of various cell types, preferentially on the CD45RA <sup>low</sup> CD45RO <sup>high</sup> subset of memory T lymphocytes.
Applications:	ELISA, IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 26-96, of human CD95 protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	FAS/3112
Isotype:	IgG2b
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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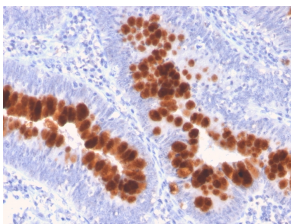
### Specifications continued:

- General Notes:** This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Fas Antibody [FAS/3112] - BSA and Azide free (A252200).
- Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

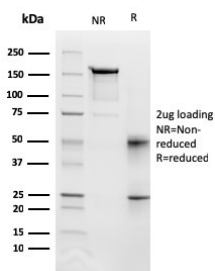
### Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon using Anti-Fas Antibody [FAS/3112].



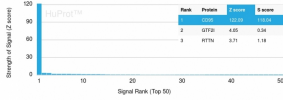
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human colon using Anti-Fas Antibody [FAS/3112].



SDS-PAGE analysis of Anti-Fas Antibody [FAS/3112] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.

## Anti-Fas Antibody [FAS/3112] (A249020)

Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-Fas Antibody [FAS/3112]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.