

# Granzyme B Recombinant Monoclonal Antibody [BLR022E]

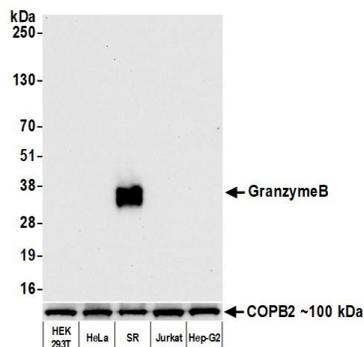
Rabbit Recombinant Monoclonal

Purified Protein ID NP\_004122.2  
Catalog No. A700-022 GeneID 3002  
Lot No. A700-022-3

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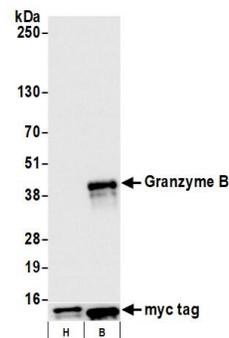
<b>APPLICATIONS</b>	WB, IHC, ICC, IHC-IF, mIF
<b>SPECIES REACTIVITY</b>	Human
<b>AMOUNT</b>	100 µl (50+ tests)
<b>CONCENTRATION</b>	50 µg/ml
<b>STORAGE/SHELF LIFE</b>	2 - 8°C / 1 year from date of receipt
<b>PHYSICAL STATE</b>	Liquid
<b>BUFFER</b>	Borate Buffered Saline (BBS) pH 8.2 with 0.1% BSA and 0.09% Sodium Azide
<b>ISOTYPE</b>	IgG
<b>CLONE #</b>	BLR022E
<b>ORIGIN</b>	USA
<b>PRODUCTION PROCEDURES</b>	The monoclonal antibody was purified from cell culture supernatant.  Immunogen was a recombinant protein representing human Granzyme B (residues 19-247, NP_004122.2).
<b>APPLICATIONS</b>	Centrifuge tube to remove product from lid. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use.  Western Blot 1:1000  Immunohistochemistry 1:100 – 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.  Immunocytochemistry 1:100 – 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.  Immunofluorescence (IHC) 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.  Multiplex Immunofluorescence 1:250
<b>IHC HUMAN CONTROLS</b>	Appendix, Breast Carcinoma, Lung Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Skin Carcinoma, Spleen, Tonsil, SR cells
<b>ADDITIONAL INFO</b>	<a href="https://www.bethyl.com/product/A700-022">https://www.bethyl.com/product/A700-022</a> Use the link above to view SDS, a current list of citations, and other product specific information.

This document certifies that this product has met all of the quality control standards defined by Bethyl Laboratories, Inc.  
Michael Spencer, PhD Date: March 18, 2022



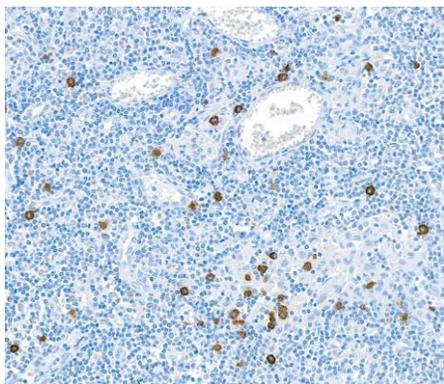
#### Detection of human Granzyme B by western blot.

**Samples:** Whole cell lysate (15 µg) from HEK293T, HeLa, SR, Jurkat, and Hep-G2 cells prepared using NETN lysis buffer. **Antibody:** Rabbit anti-GranzymeB recombinant monoclonal antibody [BLR022E] (A700-022 lot 3) used at 1:1000. **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 10 seconds. Lower Panel: Rabbit anti-COPB2 antibody (A304-523A).

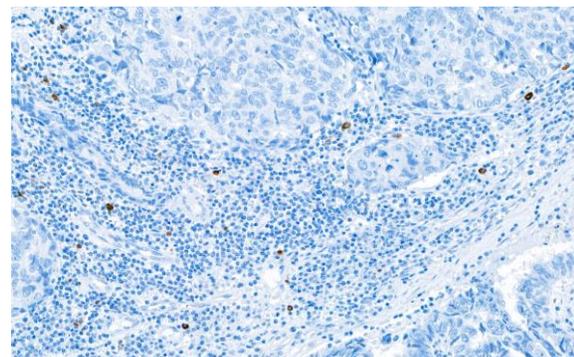


#### Detection of human Granzyme B by western blot.

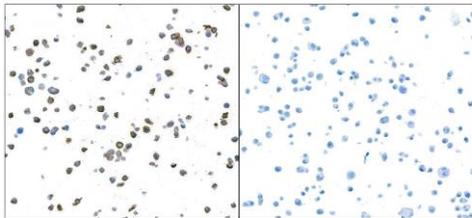
**Samples:** Myc-tagged Granzyme H and B overexpressing cell lysate (15 µg) prepared using NETN lysis buffer. **Antibody:** Rabbit anti-Granzyme B recombinant monoclonal antibody [BLR022E] (A700-022 lot 3) used at 1:1000. **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-101P). Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-myc antibody (A191-101).



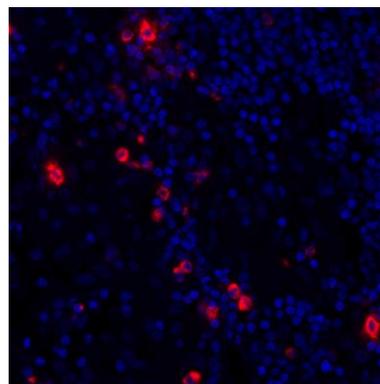
**Detection of human Granzyme B by immunohistochemistry.** **Sample:** FFPE section of lymph node. **Antibody:** Rabbit anti-Granzyme B recombinant monoclonal antibody [BLR022E] (A700-022 lot 3). **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-501P).



**Detection of human Granzyme B by immunohistochemistry.** **Sample:** FFPE section of lung carcinoma. **Antibody:** Rabbit anti-Granzyme B recombinant monoclonal antibody [BLR022E] (A700-022 lot 3). **Secondary:** HRP-conjugated goat anti-rabbit IgG (A120-501P).



**Detection of human Granzyme B by immunocytochemistry.** *Sample:* FFPE section of Granzyme B over-expressing cells (left) and Granzyme H over-expressing cells (right). *Antibody:* Rabbit anti-Granzyme B recombinant monoclonal antibody [BLR022E] (A700-022 lot 3). *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P).



**Detection of human Granzyme B (red) by immunohistochemistry.** *Sample:* FFPE section of human lung carcinoma. *Antibody:* Rabbit anti-Granzyme B recombinant monoclonal antibody [BLR022E] (A700-022 lot 1) used at 1:250. *Secondary:* HRP-conjugated goat anti-rabbit IgG (A120-501P). *Substrate:* Opal™. *Counterstain:* DAPI (blue).